

***Introduction to Managerial Accounting (Canadian)
7th edition Brewer Test Bank***

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CORRECT ANSWERS ARE LOCATED IN THE 2ND HALF OF THIS DOC.

TRUE/FALSE - Write 'T' if the statement is true and 'F' if the statement is false.

- 1) All costs incurred in a merchandising firm are period costs.
☐ true
☐ false
- 2) Depreciation is always considered a product cost for external financial reporting purposes in a manufacturing firm.
☐ true
☐ false
- 3) Advertising costs are considered product costs for external financial reports since they are incurred in order to promote specific products.
☐ true
☐ false
- 4) Property taxes and insurance premiums paid on a factory building are examples of manufacturing overhead.
☐ true
☐ false
- 5) Manufacturing overhead combined with direct materials is known as conversion cost.
☐ true
☐ false
- 6) If the ending inventory of finished goods is overstated, net income will be overstated.
☐ true
☐ false
- 7) If the ending inventory of finished goods is understated, net income will be overstated.
☐ true
☐ false
- 8) In a manufacturing company, goods available for sale equals the sum of the cost of goods manufactured and the beginning finished goods inventory.
☐ true
☐ false

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- 9) Variable costs are costs whose per unit costs vary as the activity level rises and falls.
- ☐ true
 - ☐ false
- 10) Variable costs are costs whose per unit costs don't vary as the activity level rises and falls.
- ☐ true
 - ☐ false
- 11) On a per unit basis, a fixed cost varies inversely with the level of activity.
- ☐ true
 - ☐ false
- 12) All the following would typically be considered indirect costs of manufacturing a Boeing 747 to be delivered to Singapore Airlines: electricity to run production equipment, the factory manager's salary, and the cost of the General Electric jet engines installed on the aircraft.
- ☐ true
 - ☐ false
- 13) All the following costs should be considered direct costs of providing delivery room services to a particular mother and her baby: the costs of drugs administered in the operating room, the attending physician's fees, and a portion of the liability insurance carried by the hospital to cover the delivery room.
- ☐ true
 - ☐ false
- 14) All the following costs should be considered direct costs of providing delivery room services: the costs of drugs administered in the operating room, the attending physician's fees, and a portion of the liability insurance carried by the hospital to cover the delivery room.
- ☐ true
 - ☐ false
- 15) The following costs should be considered by a law firm to be indirect costs of defending a particular client in court: rent on the law firm's offices, the law firm's receptionist's wages, the costs of heating the law firm's offices, and the depreciation on the personal computer in the office of the attorney who has been assigned the client.
- ☐ true
 - ☐ false

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- 16) A cost that differs from one month to another is known as a differential cost.
- ☐ true
 - ☐ false
- 17) Opportunity costs are always recorded as expenses in the accounts of an organization.
- ☐ true
 - ☐ false
- 18) Sunk costs are irrelevant in making decisions.
- ☐ true
 - ☐ false
- 19) The inventory accounts reported on the balance sheet of a manufacturing company will differ from those of a merchandising company.
- ☐ true
 - ☐ false

MULTIPLE CHOICE - Choose the one alternative that best completes the statement or answers the question.

- 20) Labour costs relating to janitors and supervisors in a manufacturing facility are examples of:
- A) Direct labour
 - B) Indirect labour
- 21) The cost of fire insurance for a manufacturing plant is generally considered to be a:
- A) product cost.
 - B) period cost.
 - C) variable cost.
 - D) fixed cost.

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- 22) The cost of rent for a manufacturing equipment used in a manufacturing plant is generally considered to be a:

	Prime cost	Product cost
a.	No	Yes
b.	No	No
c.	Yes	No
d.	Yes	Yes

- A) choice a.
B) choice b.
C) choice c.
D) choice d.

- 23) Each of the following would be a conversion cost except:

- A) Cost of labour physically and conveniently traceable to a product
B) Cost of utilities used in a manufacturing plant.
C) Depreciation of a machine used in manufacturing.
D) Cost of material physically and conveniently traceable to a product

- 24) For a manufacturing company, which of the following is an example of a period rather than a product cost?

- A) Depreciation of factory equipment.
B) Wages of salespersons.
C) Wages of machine operators.
D) Insurance on factory equipment.

- 25) Which of the following would be considered a product cost for external financial reporting purposes?

- A) Cost of a warehouse used to store finished goods.
B) Cost of guided public tours through the company's facilities.
C) Cost of travel necessary to sell the manufactured product.
D) Cost of sand spread on the factory floor to absorb oil from manufacturing machines.

- 26) Which of the following would NOT be treated as a product cost for external financial reporting purposes?

- A) Depreciation on a factory building.
B) Salaries of factory workers.
C) Indirect labour in the factory.
D) Advertising expenses.

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- 27) Transportation costs incurred by a manufacturing company to ship its raw materials from the supplier to its manufacturing facility would be classified as which of the following?
- A) Product cost.
 - B) Manufacturing overhead.
 - C) Period cost.
 - D) Administrative cost.
- 28) Costs incurred to maintain an app to provide rewards to customers upon purchase would be classified as which of the following?
- A) Product cost.
 - B) Manufacturing overhead.
 - C) Period cost.
 - D) Administrative cost.
- 29) The salary of the president of a manufacturing company would be classified as which of the following?
- A) Product cost.
 - B) Period cost.
 - C) Manufacturing overhead.
 - D) Direct labour.
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- 30) Micro Computer Company has set up a web page for customer inquiries regarding computer hardware produced by the company. The cost of this web page would be classified as which of the following?
- A) Product cost.
 - B) Manufacturing overhead.
 - C) Direct labour.
 - D) Period cost.

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31) The wages of factory personnel engaged in manufacturing of the products would usually be:

	Direct labour	Manufacturing overhead
a.	No	Yes
b.	Yes	No
c.	Yes	Yes
d.	No	No

- A) choice a.
- B) choice b.
- C) choice c.
- D) choice d.

32) Direct materials are a part of:

	Conversion cost	Manufacturing cost	Prime cost
a.	Yes	Yes	No
b.	Yes	Yes	Yes
c.	No	Yes	Yes
d.	No	No	No

- A) choice a.
- B) choice b.
- C) choice c.
- D) choice d.

33) Manufacturing overhead consists of:

- A) all manufacturing costs.
- B) all manufacturing costs, except direct materials and direct labour.
- C) indirect materials but not indirect labour.
- D) indirect labour but not indirect materials.

34) Which of the following should NOT be included as part of manufacturing overhead at a company that makes office furniture?

- A) Sheet steel in a file cabinet made by the company.
- B) Manufacturing equipment depreciation.
- C) Idle time for direct labour.
- D) Taxes on a factory building.

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- 35) Which of the following should NOT be included as part of manufacturing overhead at a company that makes office furniture?
- A) Sheet steel in a file cabinet made by the company.
 - B) Manufacturing equipment depreciation.
 - C) Direct labour.
 - D) Hardware installed on desks
- 36) Rossiter Company failed to record a credit sale at the end of the year, although the reduction in finished goods inventories was correctly recorded when the goods were shipped to the customer. Which one of the following statements is correct?
- A) Accounts receivable was not affected, inventory was not affected, sales were understated, and cost of goods sold was understated.
 - B) Accounts receivable was understated, inventory was overstated, sales were understated, and cost of goods sold was overstated.
 - C) Accounts receivable was not affected, inventory was understated, sales were understated, and cost of goods sold was understated.
 - D) Accounts receivable was understated, inventory was not affected, sales were understated, and cost of goods sold was not affected.
- 37) If the cost of goods sold is lower than the cost of goods manufactured, then:
- A) Work in process inventory has decreased during the period.
 - B) Finished goods inventory has increased during the period.
 - C) Total manufacturing costs must be greater than cost of goods manufactured.
 - D) Finished goods inventory has decreased during the period.
- 38) Last month, when 10,000 units of a product were manufactured, the cost per unit was \$60. At this level of activity, variable costs are 50% of total unit costs. If 10,500 units are manufactured next month and cost behaviour patterns remain unchanged the?
- A) total variable cost will remain unchanged.
 - B) fixed costs will increase in total.
 - C) variable cost per unit will increase.
 - D) total cost per unit will decrease.
- 39) Variable cost:
- A) increases on a per unit basis as the number of units produced increases.
 - B) remains constant on a per unit basis as the number of units produced increases.
 - C) remains the same in total as production increases.
 - D) decreases on a per unit basis as the number of units produced increases.

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- 40) Within the relevant range, the difference between variable costs and fixed costs is:
- A) variable costs per unit fluctuate and fixed costs per unit remain constant.
 - B) variable costs per unit are constant and fixed costs per unit fluctuate.
 - C) both total variable costs and total fixed costs are constant.
 - D) both total variable costs and total fixed costs fluctuate.
- 41) Which of the following statements regarding fixed costs is incorrect?
- A) Expressing fixed costs on a per unit basis usually is the best approach for decision-making.
 - B) Fixed costs expressed on a per unit basis will react inversely with changes in activity.
 - C) Assumptions by accountants regarding the behaviour of fixed costs rest heavily on the concept of the relevant range.
 - D) Fixed costs frequently represent long-term investments in property, plant, and equipment.
- 42) Last month, when 11,000 units of a product were manufactured, the cost per unit was \$ 50. At this level of activity, variable costs are 40% of total unit costs. If 12,000 units are manufactured next month and cost behaviour patterns remain unchanged, the total cost of goods manufactured will be?
- A) \$ 570,000.
 - B) \$600,000.
 - C) \$ 770,000.
 - D) \$630,000.
- 43) Which of the following statements is true?
- A) An indirect cost can be easily traced to an individual cost object.
 - B) An indirect cost is one incurred to support several cost objects.
 - C) A direct cost cannot be easily and economically traced to a cost object.
 - D) The determination of a cost object is not relevant to the traceability of costs.
- 44) An opportunity cost is:
- A) the difference in total costs which results from selecting one alternative instead of another.
 - B) the potential benefit forgone by selecting one alternative instead of another.
 - C) a cost which may be saved by not adopting an alternative.
 - D) a cost which may be shifted to the future with little or no effect on current operations.

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- 45) The term differential revenue refers to:
- A) A difference in the revenue between any two alternatives.
 - B) The potential benefit forgone by selecting one alternative instead of another.
 - C) A cost which does not entail any dollar outlay but which is relevant to the decision-making process.
 - D) A cost which continues to be incurred even though there is no activity.
- 46) Which of the following costs is often important in decision making, but is omitted from conventional accounting records?
- A) Fixed cost.
 - B) Sunk cost.
 - C) Opportunity cost.
 - D) Indirect cost.
- 47) When a decision is made among several alternatives, the potential benefit that is lost by choosing one alternative over another is the:
- A) realized cost.
 - B) opportunity cost.
 - C) conversion cost.
 - D) accrued cost.
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- 48) Conversion cost consists of which of the following?
- A) Manufacturing overhead cost.
 - B) Direct materials and direct labour costs.
 - C) Direct labour cost.
 - D) Direct labour and manufacturing overhead costs.
- 49) Prime cost consists of direct materials combined with:
- A) direct labour.
 - B) manufacturing overhead.
 - C) indirect materials.
 - D) cost of goods manufactured.

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- 50) Which one of the following costs should NOT be considered a direct cost of serving a customer who orders a customized personal computer by phone directly from the manufacturer?
- A) The cost of the hard disk drive installed in the computer.
 - B) The cost of shipping the computer to the customer.
 - C) The cost of leasing a machine on a monthly basis that automatically tests hard disk drives before they are installed in computers.
 - D) The cost of packaging the computer for shipment.
- 51) The sequence of major activities that every organization carries out to fulfill its mission is known as:
- A) the manufacturing process.
 - B) product planning and development.
 - C) the value chain.
 - D) marketing.
- 52) Which of the following major activities of a business will result in product costs?
- A) Marketing.
 - B) Customer support.
 - C) General administrative.
 - D) Manufacturing.
- 53) Which one of the following costs should NOT be considered an indirect cost of serving a customer at a Dairy Queen fast food outlet?
- A) The cost of the hamburger patty in the burger they ordered.
 - B) The wages of the employee who takes the customer's order.
 - C) The cost of heating and lighting the kitchen.
 - D) The salary of the outlet's manager.
- 54) Sunshine Company's costs for the month of August were as follows: direct materials, \$ 30,000; direct labour, \$ 35,000; sales salaries, \$14,000; indirect labour, \$10,000; indirect materials, \$15,000; general corporate administrative cost, \$12,000; taxes on manufacturing facility, \$ 5,000; and rent on factory, \$ 20,000. The beginning work in process inventory was \$ 15,000 and the ending work in process inventory was \$ 10,000. What was the cost of goods manufactured for the month?
- A) \$105,000.
 - B) \$ 115,000.
 - C) \$ 120,000.
 - D) \$ 125,000

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55) Brown Company's costs for the month of August were as follows: direct materials, \$27,000; direct labour, \$34,000; sales salaries, \$14,000; indirect labour, \$10,000; indirect materials, \$15,000; general corporate administrative cost, \$12,000; taxes on manufacturing facility, \$2,000; and rent on factory, \$17,000. The beginning work in process inventory was \$16,000 and the ending work in process inventory was \$9,000. What was the total manufacturing costs for the month?

- A) \$105,000.
- B) \$112,000.
- C) \$132,000.
- D) \$138,000.

56) A manufacturing company prepays its insurance coverage for a four-year period. The premium for the four years is \$ 4,000 and is paid at the beginning of the first year. 70% percent of the premium applies to manufacturing operations and 30% applies to selling and administrative activities. What amounts should be considered product and period costs respectively for the first year of coverage?

	Product	Period
a.	\$4,000	\$0
b.	\$2,800	\$1,200
c.	\$3,000	\$1,000
d.	\$700	\$300

- A) choice a.
- B) choice b.
- C) choice c.
- D) choice d.

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57) Using the following data, calculate the beginning work in process inventory.

Cost of goods sold	\$70
Direct labour	\$ 25
Direct materials	\$ 10
Cost of goods manufactured	\$ 90
Work in process ending	\$ 20
Finished goods ending	\$ 25
Manufacturing overhead	\$30

The beginning work in process inventory is:

- A) \$ 25.
- B) \$ 35.
- C) \$ 45.
- D) \$55.

58) During the month of May, Bennett Manufacturing Company purchased \$43,000 of raw materials. Total manufacturing overhead was \$27,000 and the total manufacturing costs were \$106,000. Assuming a beginning inventory of raw materials of \$8,000 and an ending inventory of raw materials of \$6,000, direct labour was:

- A) \$34,000.
- B) \$36,000.
- C) \$38,000.
- D) \$45,000.

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59) Using the following data for January, calculate the cost of goods manufactured:

Direct materials	\$35,000
Direct labour	\$30,000
Manufacturing overhead	\$20,000
Beginning work in process inventory	\$15,000
Ending work in process inventory	\$10,000

The cost of goods manufactured was:

- A) \$78,000.
- B) \$79,000.
- C) \$80,000.
- D) \$90,000.

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60) During the month of June, Reardon Company incurred \$17,000 of direct labour, \$8,500 of manufacturing overhead and purchased \$15,000 of raw materials. Between the beginning and the end of the month, the raw materials inventory increased by \$2,000, the finished goods inventory increased by \$1,500, and the work in process inventory decreased by \$3,000. The cost of goods manufactured would be:

- A) \$38,500.
- B) \$40,500.
- C) \$41,500.
- D) \$43,500.

61) Moonlight Company reported the following data for the year just ended:

Raw materials used in production	900,000
Direct labour	600,000
Total overhead costs	\$1,200,000
Ending work in process inventory	\$400,000
Cost of goods manufactured	\$2,900,000

The beginning work in process inventory was:

- A) \$100,000.
- B) \$300,000.
- C) \$600,000.
- D) \$1,300,000.

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62) Moonlight Company reported the following data for the year just ended:

Raw materials used in production	\$900,000
Direct labour	\$600,000
Total overhead costs	\$1,200,000
Beginning work in process inventory	(Use the beginning WIP calculated in 2-61)
Cost of goods manufactured	\$ 2,900,000

The ending work in process inventory was:

- A) \$100,000.
- B) \$300,000.
- C) \$400,000.
- D) \$1,300,000.

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- 63) Williams Company's direct labour cost is 25% of its conversion cost. If the manufacturing overhead cost for the last period was \$45,000 and the direct materials cost was \$25,000, the direct labour cost was:
- A) \$15,000.
 - B) \$20,000.
 - C) \$33,333.
 - D) \$60,000.
- 64) The Lyons Company's cost of goods manufactured was \$120,000 when its sales were \$360,000 and its gross margin was \$220,000. If the ending inventory of finished goods was \$30,000, the beginning inventory of finished goods must have been:
- A) \$20,000.
 - B) \$50,000.
 - C) \$110,000.
 - D) \$150,000.
- 65) The gross margin for Cushing Company for the first quarter of last year was \$400,000 when sales were \$800,000. The beginning inventory of finished goods was \$80,000 and the ending inventory of finished goods was \$120,000. The cost of goods manufactured for the first quarter would have been:
- A) \$350,000.
 - B) \$400,000.
 - C) \$440,000.
 - D) \$485,000.

- 66) Last month a manufacturing company had the following operating results:

Beginning finished goods inventory	\$74,000
Ending finished goods inventory	\$73,000
Sales	\$464,000
Gross margin	\$52,000

What was the cost of goods manufactured for the month?

- A) \$411,000.
- B) \$412,000.
- C) \$413,000.
- D) \$463,000.

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67) The following information was provided by Wilson Company for the year just ended:

Beginning finished goods inventory	\$150,750
Ending finished goods inventory	\$140,475
Sales	\$475,000
Gross margin	\$150,000

The cost of goods manufactured for the year was:

- A) \$314,725.
- B) \$325,000.
- C) \$333,275.
- D) \$334,275.

68) The following information was provided by Grand Company for the year just ended:

Beginning finished goods inventory	\$130,425
Ending finished goods inventory	\$125,770
Sales	\$500,000
Gross margin	\$100,000

The cost of goods manufactured for the year was:

- A) \$95,345.
- B) \$104,655.
- C) \$395,345.
- D) \$404,655.

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69) Delta Merchandising, Inc. has provided the following information for the year just ended:

Net sales	\$150,000
Beginning inventory	\$30,000
Purchases	\$110,00
Gross margin	\$40,000

The ending inventory for the company at year end was:

- A) \$ 20,000
- B) \$ 25,000
- C) \$ 30,000
- D) \$35,000

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- 70) The beginning balance of the Raw Materials inventory account for May was \$27,500. The ending balance for May was \$28,750 and \$128,900 of raw materials were used during the month. The materials purchased during the month cost:
- A) \$127,650.
 - B) \$130,150.
 - C) \$131,300.
 - D) \$157,650.
- 71) Gabel Inc. is a merchandising company. Last month the company's merchandise purchases totaled \$63,000. The company's beginning merchandise inventory was \$13,000 and its ending merchandise inventory was \$15,000. What was the company's cost of goods sold for the month?
- A) \$61,000.
 - B) \$63,000.
 - C) \$65,000.
 - D) \$91,000.
- 72) Haack Inc. is a merchandising company. Last month the company's cost of goods sold was \$84,000. The company's beginning merchandise inventory was \$20,000 and its ending merchandise inventory was \$18,000. What was the total amount of the company's merchandise purchases for the month?
- A) \$82,000.
 - B) \$84,000.
 - C) \$86,000.
 - D) \$122,000.
- 73) During January, the cost of goods manufactured was \$ 90,000. The beginning finished goods inventory was \$ 20,000 and the ending finished goods inventory was \$ 30,000. What was the cost of goods sold for the month?
- A) \$ 80,000
 - B) \$ 95,000
 - C) \$ 97,000.
 - D) \$ 100,000

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74) An accounting course is taught in two classes per week for one hour and fifty minutes each. The classes are held in a building with 36 classrooms that are used for a variety of courses. The building has an advanced monitoring system which allows electricity costs to be determined for each classroom and for each course. If the cost object is the accounting course, which of the following is an indirect cost?

- A) The course Instructor's salary for teaching the course (he only teaches this one course).
- B) The cost of the preparation of the exam papers for this course.
- C) The salary of the building's custodian.
- D) The electricity cost for the course.

75) An accounting course is taught in two classes per week for one hour and fifty minutes each. The classes are held in a building with 36 classrooms that are used for a variety of courses. There are 15 other courses taught in the Accounting Department at this university. If the cost object is the accounting course, which of the following is a direct cost?

- A) The course Instructor's salary for teaching the course (he only teaches this one course).
- B) The property taxes on the land and classroom building.
- C) The salary of the building's custodian.
- D) The Accounting Department's secretary salary.

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76) The following information was provided by Jimbob Co. for the year just ended:

Cost of goods manufactured	\$500,000
Ending finished goods inventory	\$100,000
Sales	\$800,000
Gross margin	\$200,000

What was beginning finished goods inventory?

- A) \$100,000.
- B) \$ 250,000
- C) \$300,000.
- D) \$400,000.

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77) Assume that cost of goods sold for Boardman Company for January was \$140,000. What was the cost of goods manufactured for the month?

- A) \$135,000
- B) \$139,000
- C) \$140,000
- D) \$145,000

78) At a sales volume of 30,000 units, CD Company's total fixed costs are \$ 80,000 and total variable costs are \$60,000. (Do not round intermediate calculations)

If CD Company were to sell 45,000 units, the total expected cost would be?

- A) \$124,000.
- B) \$144,625.
- C) \$146,000.
- D) \$ 170,000

79) At a sales volume of 32,000 units, CD Company's total fixed costs are \$64,000 and total variable costs are \$60,000. (Do not round intermediate calculations)

If CD Company were to sell 50,000 units, the total expected cost per unit would be (Do not round intermediate calculations. Round the final answer to two decimal places):

- A) \$2.48.
- B) \$3.16.
- C) \$3.20.
- D) \$3.88.

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80) Jim-bob Company has two business alternatives - A & B with different total annual costs as set out below:

Total annual costs:	A	B
Advertising	\$32,000	\$31,000
Other marketing costs	\$18,000	\$12,000
Other expenses	\$30,000	\$35,000

Additionally, if alternative B is chosen the business will have to use some space for its own purposes that are currently being rented to an outside business for \$5,000 per year.

What are the total differential costs between the two alternatives?

- A) \$2,000.
- B) \$3,000.
- C) \$5,000.
- D) \$7,000.

81) The following costs were incurred in May:

Direct materials	\$44,800
Direct labour	\$29,000
Manufacturing overhead	\$29,300
Selling expenses	\$26,800
Administrative expenses	\$37,100

Conversion costs during the month totaled:

- A) \$58,300
- B) \$74,100
- C) \$167,000
- D) \$73,800

82) Abburi Company's manufacturing overhead is 45% of its total conversion costs. If direct labour is \$57,200 and if direct materials are \$22,100, the manufacturing overhead is:

- A) \$46,800
- B) \$69,911
- C) \$18,082
- D) \$64,882

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83) During the month of May, direct labour cost totaled \$13,055 and direct labour cost was 35% of prime cost. If total manufacturing costs during May were \$79,700, the manufacturing overhead was:

- A) \$24,245
- B) \$37,300
- C) \$66,645
- D) \$42,400

84) In May direct labour was 30% of conversion cost. If the manufacturing overhead for the month was \$116,200 and the direct materials cost was \$21,000, the direct labour cost was:

- A) \$271,133
- B) \$49,800
- C) \$49,000
- D) \$9,000

85) The following costs were incurred in May:

Direct materials	\$41,000
Direct labour	\$29,900
Manufacturing overhead	\$21,900
Selling expenses	\$14,900
Administrative expenses	\$30,400

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Prime costs during the month totaled:

- A) \$92,800
- B) \$138,100
- C) \$70,900
- D) \$51,800

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86) Pertee Corporation's relevant range of activity is 6,300 units to 12,500 units. When it produces and sells 9,400 units, its average costs per unit are as follows:

	Average Cost per Unit
Direct materials	\$7.20
Direct labour	\$3.65
Variable manufacturing overhead	\$1.70
Fixed manufacturing overhead	\$2.90
Fixed selling expense	\$0.65
Fixed administrative expense	\$0.35
Sales commissions	\$0.45
Variable administrative expense	\$0.50

If 7,000 units are produced, the total amount of manufacturing overhead cost is closest to:

- A) \$28,520
- B) \$49,890
- C) \$39,160
- D) \$22,010

87) A manufacturing company prepays its insurance coverage for a three-year period. The premium for the three years is \$5,040 and is paid at the beginning of the first year. Seventy percent of the premium applies to manufacturing operations and thirty percent applies to selling and administrative activities. What amounts should be considered product and period costs respectively for the first year of coverage?

	Product	Period
A)	\$ 504	\$ 1,176
B)	\$ 1,680	\$ 0
C)	\$ 0	\$ 1,680
D)	\$ 1,176	\$ 504

- A) Choice A
- B) Choice B
- C) Choice C
- D) Choice D

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88) At an activity level of 9,100 machine-hours in a month, Falks Corporation's total variable production engineering cost is \$765,310 and its total fixed production engineering cost is \$224,070. What would be the total production engineering cost per machine-hour, both fixed and variable, at an activity level of 9,700 machine-hours in a month? Assume that this level of activity is within the relevant range. **(Round intermediate calculations to 2 decimal places.)**

- A) \$102.00
- B) \$108.72
- C) \$107.20
- D) \$102.28

89) Schonhardt Corporation's relevant range of activity is 2,900 units to 7,500 units. When it produces and sells 5,200 units, its average costs per unit are as follows:

	Average Cost per Unit
Direct materials	\$ 7.20
Direct labour	\$ 3.40
Variable manufacturing overhead	\$ 1.25
Fixed manufacturing overhead	\$ 3.50
Fixed selling expense	\$ 0.85
Fixed administrative expense	\$ 0.55
Sales commissions	\$ 0.65
Variable administrative expense	\$ 0.55

If 6,500 units are produced, the total amount of fixed manufacturing cost incurred is closest to:

- A) \$23,400
- B) \$22,620
- C) \$18,460
- D) \$18,200

Introduction to Managerial Accounting Edition 7 by Brewer

90) Bellucci Corporation has provided the following information:

	Cost per Unit	Cost per Period
Direct materials	\$ 7.05	
Direct labour	\$ 4.20	
Variable manufacturing overhead	\$ 1.55	
Fixed manufacturing overhead		\$ 124,000
Sales commissions	\$ 1.15	
Variable administrative expense	\$ 0.40	
Fixed selling and administrative expense		\$ 45,500

The incremental manufacturing cost that the company will incur if it increases production from 10,000 to 10,001 units is closest to (assume that the increase is within the relevant range):

- A) \$27.15
- B) \$12.80
- C) \$31.30
- D) \$25.20

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91) Fiori Corporation's relevant range of activity is 2,800 units to 6,000 units. When it produces and sells 4,400 units, its average costs per unit are as follows:

	Average Cost per Unit
Direct materials	\$ 6.65
Direct labour	\$ 3.00
Variable manufacturing overhead	\$ 1.70
Fixed manufacturing overhead	\$ 2.50
Fixed selling expense	\$ 1.00
Fixed administrative expense	\$ 0.90
Sales commissions	\$ 1.30
Variable administrative expense	\$ 0.80

The incremental manufacturing cost that the company will incur if it increases production from 5,000 to 5,001 units is closest to:

- A) \$17.85
- B) \$11.35
- C) \$13.85
- D) \$14.85

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92) Haack Incorporated is a merchandising company. Last month the company's cost of goods sold was \$61,900. The company's beginning merchandise inventory was \$17,600 and its ending merchandise inventory was \$26,200. What was the total amount of the company's merchandise purchases for the month?

- A) \$61,900
- B) \$53,300
- C) \$70,500
- D) \$105,700

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93) The following cost data pertain to the operations of Quinonez Department Stores, Incorporated, for the month of September.

Corporate headquarters building lease	\$ 82,300
Cosmetics Department sales commissions-Northridge Store	\$ 5,930
Corporate legal office salaries	\$ 64,400
Store manager's salary-Northridge Store	\$ 10,000
Heating-Northridge Store	\$ 20,600
Cosmetics Department cost of sales-Northridge Store	\$ 37,200
Central warehouse lease cost	\$ 11,000
Store security-Northridge Store	\$ 16,500
Cosmetics Department manager's salary-Northridge Store	\$ 4,190

The Northridge Store is just one of many stores owned and operated by the company. The Cosmetics Department is one of many departments at the Northridge Store. The central warehouse serves all of the company's stores.

What is the total amount of the costs listed above that are direct costs of the Cosmetics Department?

- A) \$94,420
- B) \$47,320
- C) \$43,130
- D) \$37,200

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94) The following cost data pertain to the operations of Quinonez Department Stores, Incorporated, for the month of September.

Corporate headquarters building lease	\$ 81,200
Cosmetics Department sales commissions-Northridge Store	\$ 5,690
Corporate legal office salaries	\$ 61,200
Store manager's salary-Northridge Store	\$ 14,500
Heating-Northridge Store	\$ 13,300
Cosmetics Department cost of sales-Northridge Store	\$ 33,700
Central warehouse lease cost	\$ 8,500
Store security-Northridge Store	\$ 14,900
Cosmetics Department manager's salary-Northridge Store	\$ 4,290

The Northridge Store is just one of many stores owned and operated by the company. The Cosmetics Department is one of many departments at the Northridge Store. The central warehouse serves all of the company's stores.

What is the total amount of the costs listed above that are NOT direct costs of the Northridge Store?

- A) \$150,900
- B) \$42,700
- C) \$43,680
- D) \$81,200

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95) Dake Corporation's relevant range of activity is 2,900 units to 7,500 units. When it produces and sells 5,200 units, its average costs per unit are as follows:

	Average Cost per Unit
Direct materials	\$ 6.50
Direct labour	\$ 3.40
Variable manufacturing overhead	\$ 1.25
Fixed manufacturing overhead	\$ 3.50
Fixed selling expense	\$ 0.85
Fixed administrative expense	\$ 0.55
Sales commissions	\$ 0.65
Variable administrative expense	\$ 0.55

For financial reporting purposes, the total amount of product costs incurred to make 5,200 units is closest to:

- A) \$76,180
- B) \$57,980
- C) \$81,380
- D) \$18,200

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96) Dake Corporation's relevant range of activity is 4,000 units to 7,500 units. When it produces and sells 5,750 units, its average costs per unit are as follows:

	Average Cost per Unit
Direct materials	\$ 7.10
Direct labour	\$ 3.30
Variable manufacturing overhead	\$ 1.70
Fixed manufacturing overhead	\$ 3.60
Fixed selling expense	\$ 0.80
Fixed administrative expense	\$ 0.50
Sales commissions	\$ 0.60
Variable administrative expense	\$ 0.50

If 4,750 units are produced, the total amount of direct manufacturing cost incurred is closest to:

- A) \$49,400
- B) \$57,475
- C) \$74,575
- D) \$58,425

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97) Dake Corporation's relevant range of activity is 5,200 units to 6,000 units. When it produces and sells 5,600 units, its average costs per unit are as follows:

	Average Cost per Unit
Direct materials	\$ 6.55
Direct labour	\$ 3.80
Variable manufacturing overhead	\$ 2.15
Fixed manufacturing overhead	\$ 3.50
Fixed selling expense	\$ 1.05
Fixed administrative expense	\$ 0.75
Sales commissions	\$ 0.85
Variable administrative expense	\$ 0.75

If 4,600 units are produced, the total amount of indirect manufacturing cost incurred is closest to:

- A) \$9,890
- B) \$19,600
- C) \$29,490
- D) \$25,990

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98) Schwiesow Corporation has provided the following information:

	Cost per Unit	Cost per Period
Direct materials	\$ 8.00	
Direct labour	\$ 4.20	
Variable manufacturing overhead	\$ 1.60	
Fixed manufacturing overhead		\$ 17,500
Sales commissions	\$ 1.00	
Variable administrative expense	\$ 0.40	
Fixed selling and administrative expense		\$ 6,800

If 6,500 units are produced, the total amount of manufacturing overhead cost is closest to:

- A) \$23,400
- B) \$27,900
- C) \$18,900
- D) \$42,200

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99) Kesterson Corporation has provided the following information:

	Cost per Unit	Cost per Period
Direct materials	\$ 7.15	
Direct labour	\$ 4.20	
Variable manufacturing overhead	\$ 1.55	
Fixed manufacturing overhead		\$ 18,900
Sales commissions	\$ 2.10	
Variable administrative expense	\$ 0.40	
Fixed selling and administrative expense		\$ 4,900

If 7,000 units are produced, the total amount of indirect manufacturing cost incurred is closest to:

- A) \$10,850
- B) \$35,630
- C) \$29,750
- D) \$18,900

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100) Kesterson Corporation has provided the following information:

	Cost per Unit	Cost per Period
Direct materials	\$ 6.35	
Direct labour	\$ 3.40	
Variable manufacturing overhead	\$ 1.30	
Fixed manufacturing overhead		\$ 16,900
Sales commissions	\$ 1.40	
Variable administrative expense	\$ 0.70	
Fixed selling and administrative expense		\$ 5,200

The incremental manufacturing cost that the company will incur if it increases production from 6,500 to 6,501 units is closest to:

- A) \$11.05
- B) \$13.90
- C) \$16.55
- D) \$13.95

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101) Vignana Corporation manufactures and sells hand-painted clay figurines of popular sports heroes. Shown below are some of the costs incurred by Vignana for last year:

Cost of clay used in production	\$ 76,000
Wages paid to the workers who paint the figurines	\$ 99,000
Wages paid to the sales manager's secretary	\$ 31,000
Cost of junk mail advertising	\$ 48,000

What is the total of the direct costs above?

- A) \$76,000
- B) \$130,000
- C) \$175,000
- D) \$223,000

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- 102) Vignana Corporation manufactures and sells hand-painted clay figurines of popular sports heroes. Shown below are some of the costs incurred by Vignana for last year:

Cost of clay used in production	\$ 67,000
Wages paid to the workers who paint the figurines	\$ 82,000
Wages paid to the sales manager's secretary	\$ 34,000
Cost of junk mail advertising	\$ 51,000

What is the total of the product costs above?

- A) \$0
- B) \$85,000
- C) \$149,000
- D) \$167,000

- 103) Vignana Corporation manufactures and sells hand-painted clay figurines of popular sports heroes. Shown below are some of the costs incurred by Vignana for last year:

Cost of clay used in production	\$ 74,000
Wages paid to the workers who paint the figurines	\$ 98,000
Wages paid to the sales manager's secretary	\$ 30,000
Cost of junk mail advertising	\$ 47,000

What is the total of the conversion costs above?

- A) \$74,000
- B) \$77,000
- C) \$98,000
- D) \$172,000

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104) Pedregon Corporation has provided the following information:

	Cost per Unit	Cost per Period
Direct materials	\$ 7.10	
Direct labour	\$ 3.80	
Variable manufacturing overhead	\$ 1.35	
Fixed manufacturing overhead		\$ 14,000
Sales commissions	\$ 0.55	
Variable administrative expense	\$ 0.65	
Fixed selling and administrative expense		\$ 5,000

If 4,000 units are sold, the total variable cost is closest to:

- A) \$59,800
- B) \$74,000
- C) \$53,800
- D) \$49,000

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105) Pedregon Corporation has provided the following information:

	Cost per Unit	Cost per Period
Direct materials	\$ 6.65	
Direct labour	\$ 3.70	
Variable manufacturing overhead	\$ 1.45	
Fixed manufacturing overhead		\$ 25,900
Sales commissions	\$ 0.65	
Variable administrative expense	\$ 0.70	
Fixed selling and administrative expense		\$ 4,800

If 7,000 units are produced, the total amount of manufacturing overhead cost is closest to:

- A) \$36,050
- B) \$24,850
- C) \$26,150
- D) \$47,250

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106) Lagle Corporation has provided the following information:

	Cost per Unit	Cost per Period
Direct materials	\$ 4.70	
Direct labour	\$ 3.60	
Variable manufacturing overhead	\$ 1.40	
Fixed manufacturing overhead		\$ 16,900
Sales commissions	\$ 1.60	
Variable administrative expense	\$ 0.50	
Fixed selling and administrative expense		\$ 3,000

For financial reporting purposes, the total amount of period costs incurred to sell 6,500 units is closest to:

- A) \$16,650
- B) \$13,650
- C) \$3,000
- D) \$16,900

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107) Lagle Corporation has provided the following information:

	Cost per Unit	Cost per Period
Direct materials	\$ 5.00	
Direct labour	\$ 3.40	
Variable manufacturing overhead	\$ 1.70	
Fixed manufacturing overhead		\$ 6,000
Sales commissions	\$ 1.30	
Variable administrative expense	\$ 0.45	
Fixed selling and administrative expense		\$ 6,300

If 4,000 units are sold, the variable cost per unit sold is closest to:

- A) \$14.65
- B) \$11.85
- C) \$10.10
- D) \$11.80

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108) Lagle Corporation has provided the following information:

	Cost per Unit	Cost per Period
Direct materials	\$ 4.80	
Direct labour	\$ 3.80	
Variable manufacturing overhead	\$ 1.50	
Fixed manufacturing overhead		\$ 10,800
Sales commissions	\$ 1.80	
Variable administrative expense	\$ 0.60	
Fixed selling and administrative expense		\$ 6,800

If 4,000 units are sold, the total variable cost is closest to:

- A) \$40,400
- B) \$68,000
- C) \$50,000
- D) \$50,200

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109) At a sales volume of 38,500 units, Choice Corporation's sales commissions (a cost that is variable with respect to sales volume) total \$646,800.

To the nearest whole dollar, what should be the total sales commissions at a sales volume of 36,000 units? (Assume that this sales volume is within the relevant range.) **(Round intermediate calculations to 2 decimal places.)**

- A) \$625,800
- B) \$646,800
- C) \$604,800
- D) \$691,717

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- 110) At a sales volume of 34,000 units, Choice Corporation's sales commissions (a cost that is variable with respect to sales volume) total \$741,200.

To the nearest whole cent, what should be the average sales commission per unit at a sales volume of 44,300 units? (Assume that this sales volume is within the relevant range.)

- A) \$21.80
- B) \$17.73
- C) \$22.95
- D) \$16.73

- 111) Erkkila Incorporated reports that at an activity level of 6,700 machine-hours in a month, its total variable inspection cost is \$424,130 and its total fixed inspection cost is \$166,530.

What would be the average fixed inspection cost per unit at an activity level of 7,000 machine-hours in a month? Assume that this level of activity is within the relevant range.

- A) \$88.16
- B) \$24.86
- C) \$39.51
- D) \$23.79

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112) An income statement for Sam's Bookstore for the first quarter of the year is presented below:

Sam's Bookstore		
Income Statement		
For Quarter Ended March 31		
Sales		\$ 980,000
Cost of goods sold		680,000
Gross margin		300,000
Selling and administrative expenses		
Selling	\$ 110,000	
Administrative	124,000	234,000
Net operating income		\$ 66,000

On average, a book sells for \$70. Variable selling expenses are \$4 per book with the remaining selling expenses being fixed. The variable administrative expenses are 3% of sales with the remainder being fixed.

The cost formula for selling and administrative expenses with "X" equal to the number of books sold is:

- A) $Y = \$95,400 + \$4.00X$
- B) $Y = \$95,400 + \$6.10X$
- C) $Y = \$148,600 + \$6.10X$
- D) $Y = \$148,600 + \$8.20X$

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- 113) Management of Plascencia Corporation is considering whether to purchase a new model 370 machine costing \$512,000 or a new model 220 machine costing \$408,000 to replace a machine that was purchased 12 years ago for \$455,000. The old machine was used to make product I43L until it broke down last week. Unfortunately, the old machine cannot be repaired.

Management has decided to buy the new model 220 machine. It has less capacity than the new model 370 machine, but its capacity is sufficient to continue making product I43L. Management also considered, but rejected, the alternative of simply dropping product I43L. If that were done, instead of investing \$408,000 in the new machine, the money could be invested in a project that would return a total of \$485,000.

In making the decision to buy the model 220 machine rather than the model 370 machine, the sunk cost was:

- A) \$455,000
- B) \$408,000
- C) \$512,000
- D) \$485,000

- 114) Management of Plascencia Corporation is considering whether to purchase a new model 370 machine costing \$524,000 or a new model 220 machine costing \$438,000 to replace a machine that was purchased 7 years ago for \$499,000. The old machine was used to make product I43L until it broke down last week. Unfortunately, the old machine cannot be repaired.

Management has decided to buy the new model 220 machine. It has less capacity than the new model 370 machine, but its capacity is sufficient to continue making product I43L. Management also considered, but rejected, the alternative of simply dropping product I43L. If that were done, instead of investing \$438,000 in the new machine, the money could be invested in a project that would return a total of \$25,000.

In making the decision to buy the model 220 machine rather than the model 370 machine, the differential cost was:

- A) \$86,000
- B) \$61,000
- C) \$25,000
- D) \$11,000

Introduction to Managerial Accounting Edition 7 by Brewer

- 115) Management of Plascencia Corporation is considering whether to purchase a new model 370 machine costing \$531,000 or a new model 220 machine costing \$444,000 to replace a machine that was purchased 10 years ago for \$477,000. The old machine was used to make product I43L until it broke down last week. Unfortunately, the old machine cannot be repaired.

Management has decided to buy the new model 220 machine. It has less capacity than the new model 370 machine, but its capacity is sufficient to continue making product I43L. Management also considered, but rejected, the alternative of simply dropping product I43L. If that were done, instead of investing \$444,000 in the new machine, the money could be invested in a project that would return a total of \$458,000.

In making the decision to invest in the model 220 machine, the opportunity cost was:

- A) \$477,000
- B) \$444,000
- C) \$531,000
- D) \$458,000

- 116) Bolka Corporation, a merchandising company, reported the following results for October:

Sales	\$ 467,000
Cost of goods sold (all variable)	\$ 173,200
Total variable selling expense	\$ 19,500
Total fixed selling expense	\$ 17,500
Total variable administrative expense	\$ 10,100
Total fixed administrative expense	\$ 34,000

The gross margin for October is:

- A) \$264,200
- B) \$293,800
- C) \$212,700
- D) \$415,500

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SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

117) Stony Electronics Corporation manufactures a Wifi speaker designed for mounting on the wall of the bathroom. The following list represents some of the different types of costs incurred in the manufacture of these Wifi speakers:

- 1) The plant manager's salary.
- 2) The cost of heating the plant.
- 3) The cost of heating executive offices.
- 4) The cost of printed circuit boards used in the Wifi speakers.
- 5) Salaries and commissions of company salespersons.
- 6) Depreciation on office equipment used in the executive offices.
- 7) Depreciation on production equipment used in the plant.
- 8) Wages of janitorial personnel who clean the plant.
- 9) The cost of insurance on the plant building.
- 10) The cost of electricity to light the plant.
- 11) The cost of electricity to power plant equipment.
- 12) The cost of maintaining and repairing equipment in the plant.
- 13) The cost of printing promotional materials for trade shows.
- 14) The cost of solder used in assembling the Wifi speakers.
- 15) The cost of telephone service for the executive offices.

Required:

Classify each of the items above as product (inventoriable) cost or period (non-inventoriable) costs for the purpose of preparing external financial statements.

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118) Bill Pope has developed a new device that is so exciting he is considering quitting his job in order to produce and market it on a large-scale basis. Bill will rent a garage for \$300 per month for production purposes. Utilities will cost \$40 per month. Bill has already taken an industrial design course at the local community college to help prepare for this venture. The course cost \$300. Bill will rent production equipment at a monthly cost of \$800. He estimates the material cost per unit will be \$5, and the labour cost will be \$3. He will hire workers and spend his time promoting the product. To do this he will quit his job, which pays \$3,000 per month. Advertising and promotion will cost \$900 per month.

Required:

Complete the chart below by placing an "X" under each heading that helps to identify the cost involved. There can be "Xs" placed under more than one heading for a single cost, e.g., a cost might be a sunk cost, an overhead cost and a product cost; there would be an "X" placed under each of these headings opposite the cost.

	Opportunity Cost	Sunk Cost	Variable Cost	Fixed Cost	Manuf. Overhead	Product Cost	Selling Cost	Differential Cost*
General rent								
Utilities								
Cost of the industrial design course								
Equipment rented								
Material cost								
Labour cost								
Present salary								
Advertising								

* Between the alternatives of going into business to make the device or not going into business to make the device.

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- 119) Logan Products, a small manufacturer, has submitted the items below concerning last year's operations. The president's secretary, trying to be helpful, has alphabetized the list.

Administrative salaries	\$2,400
Advertising expense	1,200
Depreciation—factory building	800
Depreciation—factory equipment	1,600
Depreciation—office equipment	180
Direct labour cost	21,900
Raw materials inventory, beginning	2,100
Raw materials inventory, ending	3,200
Finished goods inventory, beginning	46,980
Finished goods inventory, ending	44,410
General liability insurance expense	240
Indirect labour cost	11,800
Insurance on factory	1,400
Purchases of raw materials	14,600
Repairs and maintenance of factory	900
Sales salaries	2,000
Taxes on factory	450
Travel and entertainment expense	1,410
Work in process inventory, beginning	1,670
Work in process inventory, ending	1,110

Required:

- Prepare a schedule of Cost of Goods Manufactured in good form for the year.
- Determine the Cost of Goods Sold for the year.

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120) Laco Company acquired its factory building about 20 years ago. For several years, the company has rented out a small, unused part of the building. The renter's lease will expire soon. Rather than renewing the lease, Laco Company is considering using the space itself to manufacture a new product. Under this option, the unused space will continue to be depreciated on a straight-line basis, as in past years.

Direct materials and direct labour cost for the new product would be \$50 per unit. In order to have a place to store finished units of the new product, the company would have to rent a small warehouse nearby. The rental cost would be \$2,000 per month. It would cost the company an additional \$4,000 each month to advertise the new product. A new production supervisor would be hired to oversee production of the new product who would be paid \$3,000 per month. The company would pay a sales commission of \$10 for each unit of product that is sold.

Required:

Complete the chart below by placing an "X" under each column heading that helps to identify the costs listed to the left. There can be "X's" placed under more than one heading for a single cost. For example, a cost might be a product cost, an opportunity cost, and a sunk cost; there would be an "X" placed under each of these headings on the answer sheet opposite the cost.

	Opportunity Cost	Sunk Cost	Variable Cost	Fixed Cost	Product Cost	Selling & Admin. Cost	Differential Cost*
Rent on unused factory space							
Depreciation on the factory space							
Direct material and direct labour							
Rental cost of the small warehouse							
Advertising cost							
Production supervisor's salary							
Sales commissions							

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* Between the alternatives of (1) renting the space out again or (2) using the space to produce the new product.

- 121) A list of accounts for a manufacturing company for an accounting period is given below. Find the unknown amounts indicated by question marks.

Sales	\$39,000
Cost of goods sold	?
Purchases of direct materials	11,000
Direct labour	5,000
Finished goods inventory, beginning	5,000
Work in process, beginning	800
Work in process, ending	3,000
Gross margin	11,700
Finished goods inventory, ending	?
Accounts payable, beginning	4,000
Accounts payable, ending	2,800
Direct materials inventory, beginning	1,000
Direct materials inventory, ending	3,000
Indirect labour	2,000
Indirect materials used	4,000
Utilities expense, factory	3,000
Cost of goods manufactured	?
Depreciation on factory equipment	7,000

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- 122) Use the following information to determine the gross margin for British Columbia Manufacturing for the year just ended (all amounts are in thousands (\$000) of dollars):

Sales	\$31,800
Purchases of direct materials	7,000
Direct labour	5,000
Work in process inventory, 1/1	800
Work in process inventory, 12/31	3,000
Finished goods inventory, 1/1	4,000
Finished goods inventory, 12/31	5,300
Accounts payable, 1/1	1,700
Accounts payable, 12/31	1,500
Direct materials inventory, 1/1	6,000
Direct materials inventory, 12/31	1,000
Indirect labour	600
Indirect materials used	500
Utilities expense, factory	1,900
Depreciation on factory equipment	3,500

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123) The following information is from Marchant Manufacturing Co. for September:

Direct materials used in production	\$95,000
Direct labour	67,000
Total manufacturing cost	234,000
Raw materials inventory, Sept. 1	24,000
Work in process inventory, Sept. 1	6,000
Finished goods inventory, Sept. 1	101,000
Purchases of raw materials	102,000
Cost of goods manufactured	233,000
Administrative expense	41,000
Selling expense	56,000
Sales	344,000
Gross margin	127,000
Net income	30,000

Required:

- Compute the Cost of Goods Sold.
- Compute the balance in Finished Goods Inventory at September 30.
- Compute the balance in Work in Process Inventory at September 30.
- Compute the balance in Raw Materials Inventory at September 30.
- Compute the total Manufacturing Overhead.

(Hint: The easiest method of solving this problem is to sketch out the income statement and the schedule of cost of goods manufactured, enter the given amounts, and then enter the unknowns as plug figures.)

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124) The following data (in thousands of dollars) have been taken from the accounting records of Larsen Corporation for the just completed year.

Sales	\$860
Purchases of raw materials	\$150
Direct labour	\$110
Manufacturing overhead	\$210
Administrative expenses	\$130
Selling expenses	\$180
Raw materials inventory, beginning	\$40
Raw materials inventory, ending	\$80
Work in process inventory, beginning	\$20
Work in process inventory, ending	\$80
Finished goods inventory, beginning	\$80
Finished goods inventory, ending	\$150

Required:

- Prepare a Schedule of Cost of Goods Manufactured in good form.
- Compute the Cost of Goods Sold.
- Using data from your answers above as needed, prepare an Income Statement in good form.

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125) The following data (in thousands of dollars) have been taken from the accounting records of Larner Corporation for the just completed year.

Sales	\$870
Purchases of raw materials	\$110
Direct labour	\$130
Manufacturing overhead	\$200
Administrative expenses	\$160
Selling expenses	\$140
Raw materials inventory, beginning	\$30
Raw materials inventory, ending	\$60
Work in process inventory, beginning	\$50
Work in process inventory, ending	\$10
Finished goods inventory, beginning	\$150
Finished goods inventory, ending	\$140

Required:

- Prepare a Schedule of Cost of Goods Manufactured in good form.
- Compute the Cost of Goods Sold.
- Using data from your answers above as needed, prepare an Income Statement in good form.

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126) The following data (in thousands of dollars) have been taken from the accounting records of Larmont Corporation for the just completed year.

Sales	\$990
Purchases of raw materials	\$100
Direct labour	\$240
Manufacturing overhead	\$210
Administrative expenses	\$100
Selling expenses	\$140
Raw materials inventory, beginning	\$20
Raw materials inventory, ending	\$80
Work in process inventory, beginning	\$50
Work in process inventory, ending	\$30
Finished goods inventory, beginning	\$160
Finished goods inventory, ending	\$150

Required:

- Prepare a Schedule of Cost of Goods Manufactured in good form.
- Compute the Cost of Goods Sold.
- Using data from your answers above as needed, prepare an Income Statement in good form.

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127) The following costs relate to one month's activity in Martin Company:

Indirect materials	\$350
Rent on factory building	450
Maintenance of equipment	100
Direct material used	1,000
Utilities on factory	300
Direct labour	1,600
Selling expense	500
Administrative expense	300
Work in process inventory, beginning	500
Work in process inventory, ending	900
Finished goods inventory, beginning	400
Finished goods inventory, ending	200

Required:

- Prepare a Schedule of Cost of Goods Manufactured in good form.
- Determine the Cost of Goods Sold.

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128) Simply Sweets has provided the following relating to the most recent month (August 31, 2020) of operations, for their main product, cookies.

Baker's salary	3,000
Finished goods inventory, beginning	1,000
Finished goods inventory, ending	3,000
General & administrative expenses	3,500
Indirect materials	500
Production Supervisor, Salary	4,000
Purchases of raw materials	11,000
Raw materials inventory, ending	2,000
Raw materials inventory, beginning	1,000
Rent on production factory	2,000
Rent, retail store	1,000
Sales	40,000
Utilities on production factory	500
Utilities, retail store	500
Wages, retail staff	3,000
WIP inventory, beginning	2,500
WIP inventory, ending	4,500

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Required:

- Prepare a schedule of cost of goods manufactured in good format.
- Prepare the cost of goods sold section of the income statement.
- Prepare an income statement in good format.

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129) Sprinkles Inc. has provided the following relating to the most recent month (October 31, 2020) of operations, for their main product, cupcakes.

Baker's salary	7,000	
General & administrative expenses	4,500	
Indirect materials	2,500	
Production Supervisor, Salary	4,000	
Raw material purchases	12,000	
Rent on production factory	3,000	
Rent, retail store	2,000	
Sales	45,000	
Utilities on production factory	1,000	
Utilities, retail store	1,500	
Wages, retail staff	4,000	
Inventory Balances:	Beginning	Ending
Raw Materials	2,000	5,000
Work in Process	3,000	6,000
Finished Goods	2,000	4,000

- Prepare a schedule of cost of goods manufactured in good format.
- Prepare the cost of goods sold section of the income statement.
- Prepare an income statement in good format.

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- 130) Snickerdoodle Inc. has provided the following relating to the most recent month (September 30, 2020) of operations, for their main product, cookies.

Baker's salary	13,000	
General & administrative expenses	13,500	
Indirect materials	10,500	
Production Supervisor, Salary	14,000	
Raw material purchases	21,000	
Rent on production factory	12,000	
Rent, retail store	11,000	
Sales	140,000	
Utilities on production factory	10,500	
Utilities, retail store	10,500	
Wages, retail staff	13,000	
Inventory Balances:	Beginning	Ending
Raw Materials	11,000	12,000
Work in Process	12,500	14,500
Finished Goods	11,000	13,000

Required:

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1. Prepare a schedule of cost of goods manufactured in good format.
2. Prepare the cost of goods sold section of the income statement.
3. Prepare an income statement in good format.

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131) Snickerdoodle Inc. has provided the following relating to the most recent month (September 30, 2020) of operations, for their main product, cookies.

Baker's salary	13,000	
General & administrative expenses	13,500	
Indirect materials	10,500	
Production Supervisor, Salary	14,000	
Raw material purchases	21,000	
Rent on production factory	12,000	
Rent, retail store	11,000	
Sales	140,000	
Utilities on production factory	10,500	
Utilities, retail store	10,500	
Wages, retail staff	13,000	
Inventory Balances:	Beginning	Ending
Raw Materials	11,000	12,000
Work in Process	12,500	14,500
Finished Goods	11,000	13,000

Required:

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Calculate the following:

1. Raw materials used in production
2. Total manufacturing overhead
3. Total manufacturing costs
4. Cost of Goods Manufactured
5. Cost of Goods Sold
6. Gross Margin
7. Operating Income (Loss)
8. Prime Costs
9. Conversion Costs

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132) Frosting Corp. has provided the following relating to the most recent month (August 31, 2020) of operations, for their main product, cupcakes.

Baker's salaries	25,000
Finished goods inventory, beginning	18,000
Finished goods inventory, ending	20,000
General & administrative expenses	17,000
Indirect materials	20,000
Production Supervisor, Salary	23,000
Purchases of raw materials	35,000
Raw materials inventory, ending	15,000
Raw materials inventory, beginning	25,000
Rent on production factory	24,000
Rent, retail store	22,000
Sales	300,000
Utilities on production factory	15,000
Utilities, retail store	15,000
Wages, retail staff	15,000
WIP inventory, beginning	16,000
WIP inventory, ending	8,000

Required:

1. Prepare a schedule of cost of goods manufactured in good format.
2. Prepare the cost of goods sold section of the income statement.
3. Prepare an income statement in good format.

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SECTION BREAK. Answer all the part questions.

133) The following account balances has been extracted from Jimbob Co.'s general ledger:

Direct materials used in production	\$300,000
Depreciation factory building	\$20,000
Depreciation factory equipment	\$45,000
Depreciation sales department automobiles	\$20,000
Direct wages factory employees	\$250,000
Sales department salaries and commissions	\$160,000
Factory manager's salary	\$55,000
Utility costs factory	\$60,000
Utility costs sales office	\$15,000

133.1) What was the total of manufacturing overhead?

- A) \$110,000.
- B) \$180,000
- C) \$400,000.
- D) \$740,000.

133.2) What was the total of manufacturing costs?

- A) \$400,000.
- B) \$510,000.
- C) \$560,000.
- D) \$730,000

133.3) What was the total of nonmanufacturing costs?

- A) \$150,000.
- B) \$160,000.
- C) \$195,00
- D) \$230,000.

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134) The following data (in thousands of dollars) have been taken from the accounting records of Karling Corporation for the just completed year.

Sales	\$990
Raw materials inventory, beginning	\$40
Raw materials inventory, ending	\$70
Purchases of raw materials	\$120
Direct labour	\$200
Manufacturing overhead	\$230
Administrative expenses	\$150
Selling expenses	\$140
Work in process inventory, beginning	\$70
Work in process inventory, ending	\$50
Finished goods inventory, beginning	\$120
Finished goods inventory, ending	\$160

134.1) The cost of the raw materials used in production during the year (in thousands of dollars) was:

- A) \$90.
- B) \$150.
- C) \$160.
- D) \$190.

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134.2) The cost of goods manufactured for the year (in thousands of dollars) was:

- A) \$500.
- B) \$540.
- C) \$570.
- D) \$590.

134.3) The cost of goods sold for the year (in thousands of dollars) was:

- A) \$500.
- B) \$580.
- C) \$660.
- D) \$700.

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134.4) The net income for the year (in thousands of dollars) was:

- A) \$150.
- B) \$200.
- C) \$250.
- D) \$490.

135) The following data (in thousands of dollars) have been taken from the accounting records of Karlana Corporation for the just completed year.

Sales	\$1,000
Raw materials inventory, beginning	\$ 90
Raw materials inventory, ending	\$ 30
Purchases of raw materials	\$ 120
Direct labour	\$ 150
Manufacturing overhead	\$ 250
Administrative expenses	\$160
Selling expenses	\$140
Work in process inventory, beginning	\$ 50
Work in process inventory, ending	\$ 20
Finished goods inventory, beginning	\$100
Finished goods inventory, ending	\$150

135.1) The cost of the raw materials used in production during the year (in thousands of dollars) was:

- A) \$40.
- B) \$120.
- C) \$160.
- D) \$180.

135.2) The cost of goods manufactured for the year (in thousands of dollars) was:

- A) \$460.
- B) \$500.
- C) \$520.
- D) \$610.

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135.3) The cost of goods sold for the year (in thousands of dollars) was:

- A) \$500.
- B) \$560
- C) \$650.
- D) \$670.

135.4) The net income for the year (in thousands of dollars) was:

- A) 100
- B) \$ 140
- C) \$150.
- D) \$170

136) The following data (in thousands of dollars) have been taken from the accounting records of Karlist Corporation for the just completed year.

Sales	\$800
Raw materials inventory, beginning	\$60
Raw materials inventory, ending	\$70
Purchases of raw materials	\$180
Direct labour	\$100
Manufacturing overhead	\$190
Administrative expenses	\$110
Selling expenses	\$150
Work in process inventory, beginning	\$70
Work in process inventory, ending	\$80
Finished goods inventory, beginning	\$120
Finished goods inventory, ending	\$160

136.1) The cost of the raw materials used in production during the year (in thousands of dollars) was:

- A) \$170.
- B) \$190.
- C) \$240.
- D) \$250.

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136.2) The cost of goods manufactured, or the year (in thousands of dollars) was:

- A) \$450.
- B) \$470.
- C) \$530.
- D) \$540.

136.3) The cost of goods sold for the year (in thousands of dollars) was:

- A) \$410.
- B) \$ 490
- C) \$570.
- D) \$610.

136.4) The net income for the year (in thousands of dollars) was:

- A) \$70.
- B) \$130.
- C) \$190.
- D) \$390.

137) The following data pertain to Harriman Company's operations during July:

	TBEXAM.COM	July 1	July 31
Raw materials inventory		0	\$5,000
Work in process inventory		?	4,000
Finished goods inventory		\$12,000	?
Other data:			
Cost of goods manufactured			\$105,000
Raw materials used			40,000
Manufacturing overhead costs			20,000
Direct labour costs			39,000
Gross profit			100,000
Sales			210,000

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137.1) The beginning work in process inventory was:

- A) \$1,000.
- B) \$4,000.
- C) \$10,000.
- D) \$14,000.

137.2) The ending finished goods inventory was:

- A) \$2,000.
- B) \$7,000.
- C) \$12,000.
- D) \$17,000.

138) Bergeron Inc. reported the following data for last year:

Work in process inventory, beginning	\$90
Work in process inventory, ending	\$140
Finished goods inventory, beginning	\$200
Finished goods inventory, ending	\$180
Direct labour cost	\$350
Direct materials cost	\$ 550
Manufacturing overhead cost	\$ 450

138.1) The prime cost was:

- A) \$500.
- B) \$700.
- C) \$800.
- D) \$900.

138.2) The conversion cost was:

- A) \$500.
- B) \$700.
- C) \$800.
- D) \$900.

138.3) The cost of goods manufactured was:

- A) \$1,150.
- B) \$1,180.
- C) \$1,220.
- D) \$1,300

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- 139) Geneva Steel Corporation produces large sheets of heavy gauge steel. The company showed the following amounts relating to its production for the year just completed:

Direct materials used in production	\$120,000
Direct labour costs for the year	70,000
Work in process, beginning	25,000
Finished goods, beginning	50,000
Cost of goods available for sale	310,000
Cost of goods sold	260,000
Work in process, ending	16,000

- 139.1) The balance of the finished goods inventory at the end of the year was:

A) \$45,000.
 B) \$50,000.
 C) \$95,000.
 D) \$193,000.

- 139.2) Manufacturing overhead cost for the year was:

A) \$ 44,000
 B) \$61,000
 C) \$78,000.
 D) \$84,000.

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- 139.3) Cost of goods manufactured for the year was:

A) \$160,000.
 B) \$171,000.
 C) \$ 260,000.
 D) \$ 290,0000

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140) Boardman Company reported the following data for the month of January:

Inventories:	1/1	1/31
Raw materials	\$32,000	\$31,000
Work in process	\$18,000	\$12,000
Finished goods	\$30,000	\$35,000

Additional information:

Sales revenue	\$210,000
Direct labour costs	40,000
Manufacturing overhead costs	70,000
Selling expenses	25,000
Administrative expenses	35,000

140.1) If raw materials costing \$35,000 were purchased during January, the total manufacturing costs for the month was?

- A) \$144,000.
- B) \$145,000.
- C) \$146,000.
- D) \$151,000.

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140.2) Assume that cost of goods sold for January was \$124,000. The net income for January was:

- A) \$25,000.
- B) \$26,000.
- C) \$51,000.
- D) \$61,000.

140.3) Boardman Company's total conversion cost for January was:

- A) \$110,000.
- B) \$130,000.
- C) \$135,000.
- D) \$170,000.

141) Tech Computer manufactures tablets in its plant located in Toronto and then ships the computers directly to distributors and retailers. The company's accountant has enlisted you to classify the following company's expenses:

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- 141.1) Cost of a new advertising campaign on YouTube.
- A) Fixed product cost.
 - B) Variable product cost.
 - C) Fixed period cost.
 - D) Variable period cost.
- 141.2) Straight line depreciation on the factory building.
- A) Fixed product cost.
 - B) Variable product cost.
 - C) Fixed period cost.
 - D) Variable period cost.
- 141.3) Units of production depreciation on the factory equipment.
- A) Fixed product cost.
 - B) Variable product cost.
 - C) Fixed period cost.
 - D) Variable period cost.
- 141.4) The salary of the Vice President of Sales.
- A) Fixed product cost.
 - B) Variable product cost. TBEXAM.COM
 - C) Fixed period cost.
 - D) Variable period cost.
- 141.5) The delivery charges incurred when shipping the tablet drives to be installed in the tablet.
- A) Fixed product cost.
 - B) Variable product cost.
 - C) Fixed period cost.
 - D) Variable period cost.
- 141.6) The drive installed in each tablet.
- A) Fixed product cost.
 - B) Variable product cost.
 - C) Fixed period cost.
 - D) Variable period cost.

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- 141.7) Cost of computer motherboard, which is a part of the finished product.
- A) Fixed product cost.
 - B) Variable product cost.
 - C) Fixed period cost.
 - D) Variable period cost.
- 141.8) Cost of a warehouse (i.e., rent) used to store finished goods (tablets) prior to selling them to the customer.
- A) Fixed product cost.
 - B) Variable product cost.
 - C) Fixed period cost.
 - D) Variable period cost.
- 142) Charlie's Chocolate Factory manufactures chocolate bars and ships them directly to wholesalers and retailers across the country. The company has two product lines: milk chocolate bars and chocolate covered almonds. Classify the following company's expenses if the cost object is a single product line (either milk chocolate bars or chocolate covered almonds).
- 142.1) The cost of cocoa used in the factory.
- A) Direct product cost.
 - B) Indirect product cost.
 - C) Direct period cost.
 - D) Indirect period cost.
- 142.2) Lease expenses on equipment used in the production factory.
- A) Direct product cost.
 - B) Indirect product cost.
 - C) Direct period cost.
 - D) Indirect period cost.
- 142.3) Almonds used in the chocolate covered almonds.
- A) Direct product cost.
 - B) Indirect product cost.
 - C) Direct period cost.
 - D) Indirect period cost.

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- 142.4) Shipping costs to deliver ingredients ordered from the suppliers to the production factory.
- A) Direct product cost.
 - B) Indirect product cost.
 - C) Direct period cost.
 - D) Indirect period cost.
- 142.5) Salaries for milk chocolate bars production line workers
- A) Direct product cost.
 - B) Indirect product cost.
 - C) Direct period cost.
 - D) Indirect period cost.
- 142.6) Advertising campaign for chocolate covered almonds.
- A) Direct product cost.
 - B) Indirect product cost.
 - C) Direct period cost.
 - D) Indirect period cost.
- 142.7) Sales Commissions paid to Business Development Managers.
- A) Direct product cost.
 - B) Indirect product cost.
 - C) Direct period cost.
 - D) Indirect period cost.

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143) Frosting Corp. has provided the following relating to the most recent month (August 31, 2020) of operations, for their main product, cupcakes

Baker's salaries	20,000
Finished goods inventory, beginning	18,000
Finished goods inventory, ending	20,000
General & administrative expenses	20,000
Indirect materials	17,500
Production Supervisor, Salary	21,000
Purchases of raw materials	28,000
Raw materials inventory, ending	19,000
Raw materials inventory, beginning	18,000
Rent on production factory	19,000
Rent, retail store	18,000
Sales	243,000
Utilities on production factory	17,500
Utilities, retail store	17,000
Wages, retail staff	20,000
WIP inventory, beginning	19,500
WIP inventory, ending	21,500

143.1) What was the amount of raw materials used in production?

- A) \$18,000
- B) \$27,000
- C) \$28,000
- D) \$46,000

143.2) What was the total manufacturing overhead incurred during the period?

- A) \$40,000
- B) \$57,500
- C) \$75,000
- D) \$92,000

143.3) What was the total manufacturing costs for the period?

- A) \$47,000
- B) \$95,000
- C) \$102,000
- D) \$ 122,000

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- 143.4) What was the total prime costs for the period?
- A) \$20,000
 - B) \$27,000
 - C) \$47,000
 - D) \$95,000
- 143.5) What was the cost of goods manufactured for the period?
- A) \$122,000
 - B) \$120,000
 - C) \$124,000
 - D) \$138,000
- 143.6) What was the cost of goods sold for the period?
- A) \$118,000
 - B) \$ 120,000
 - C) \$121,000
 - D) \$123,000
- 143.7) What was the operating income for the period?
- A) \$50,000
 - B) \$68,000
 - C) \$88,000
 - D) \$125,000

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Answer Key

Test name: Chapter 02

- 1) FALSE
- 2) FALSE
- 3) FALSE
- 4) TRUE
- 5) FALSE
- 6) TRUE
- 7) FALSE
- 8) TRUE
- 9) FALSE
- 10) TRUE
- 11) TRUE
- 12) FALSE
- 13) FALSE
- 14) TRUE
- 15) TRUE
- 16) FALSE
- 17) FALSE
- 18) TRUE
- 19) TRUE
- 20) B

Indirect labour

- 21) A
- 22) A
- 23) C

Depreciation of a machine used in manufacturing.

- 24) B
- 25) D
- 26) D
- 27) A

Product cost.

- 28) C

Period cost.

- 29) B

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30) D

31) B

Choice b.

32) C

33) B

34) A

35) C

Direct labour.

36) D

37) B

Finished goods inventory has increased during the period.

38) D

39) B

40) B

41) A

42) A

$\$240,000 + \$330,000 = \$570,000$

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43) B

44) B

45) A

A difference in the revenue between any two alternatives.

46) C

47) B

48) D

49) A

50) C

51) C

52) D

53) A

54) C

Option C

$(30,000 + 35,000 + 10,000 + 15,000 + 5,000 + 20,000) + 15,000 - 10,000 = 120,000$

55) A

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Option A

$$27,000 + 34,000 + 10,000 + 15,000 + 2,000 + 17,000 = 105,000$$

56) D

Option D

$$(4,000/4) = 1,000. 1,000 * 70\% = 700 // 1,000 * 30\% = 300$$

57) C

Option C

$$(90 + 20) - (25 + 10 + 30) = 45$$

58) A

Option A

$$106,000 - 27,000 - (43,000 + 8,000 - 6,000) = 34,000$$

59) D

Option D

$$(35,000 + 30,000 + 20,000) + 15,000 - 10,000 = 90,000$$

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60) C

Option-C

$$(17,000 + 8,500 + 15,000 - 2,000) + 3,000 = 41,500$$

61) C

$$(\$2,900,000 + \$400,000) - (\$900,000 + \$600,000 + 1,200,000) = \$600,000$$

62) C

Option C

$$(\$900,000 + \$600,000 + \$1,200,000) + \$600,000 - \$2,900,000 = \$400,000$$

63) A

Option-A

$$\text{Labour} - 25\%, \text{Manufacturing OH} - 75\%. (45,000/75\%) * 25\% = 15,000$$

64) B

Option B

$$(\$360,000 - \$220,000) - \$120,000 + \$30,000 = \$50,000$$

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65) C

Option C

$$(\$800,000 - \$400,000) + \$120,000 - \$80,000 = \$440,000$$

66) A

Option A

$$(\$464,000 - \$52,000) + (\$73,000 - \$74,000) = \$411,000$$

67) A

Option A

$$(\$475,000 - \$150,000) + (\$140,475 - \$150,750) = \$314,725$$

68) C

Option C

$$(\$500,000 - \$100,000) + (\$125,770 - \$130,425) = \$395,345$$

69) C

Option C

$$(\$30,000 + \$110,000) - (\$150,000 - \$40,000) = \$30,000$$

70) B

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Option B

$$\$128,900 - \$27,500 + \$28,750 = \$130,150$$

71) A

Option A

$$\$13,000 + \$63,000 - \$15,000 = \$61,000$$

72) A

Option A

$$\$84,000 - \$20,000 + \$18,000 = \$82,000$$

73) A

Option A

$$\$20,000 + \$90,000 - \$30,000 = \$80,000$$

74) C

75) A

76) B

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Option B

$$(\$600,000 - \$300,000) + \$100,000 - \$150,000 = \$250,000$$

77) A

Option D

$$\$140,000 - \$30,000 + \$35,000 = \$145,000$$

78) D

Option D

$$((\$60,000 / 30,000) * 45,000) + \$80,000 = \$170,000$$

79) B

Option B

$$(((\$60,000 / 32,000) * 50,000) + \$64,000) / 50,000 = \$3.16$$

(\$3.155, Rounded off to 2 decimals)

80) B

Option B

$$(\$31,000 - \$32,000) + (\$12,000 - \$18,000) + (\$35,000 - \$30,000) + \$5,000 = \$3,000$$

81) A

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$$\text{Conversion cost} = \text{Direct labour} + \text{Manufacturing overhead} = \$29,000 + \$29,300 = \$58,300$$

82) A

$$\text{Manufacturing overhead} = 0.45 \times \text{Conversion cost}$$

$$\text{Direct labour} = \$57,200$$

$$\text{Conversion cost} = \text{Direct labour} + \text{Manufacturing overhead}$$

$$\text{Conversion cost} = \$57,200 + \text{Manufacturing overhead}$$

$$\text{Conversion cost} = \$57,200 + (0.45 \times \text{Conversion cost})$$

$$0.55 \times \text{Conversion cost} = \$57,200$$

$$\text{Conversion cost} = \$57,200 \div 0.55 = \$104,000$$

$$\text{Manufacturing overhead} = 0.45 \times \text{Conversion cost}$$

$$\text{Manufacturing overhead} = 0.45 \times \$104,000 = \$46,800$$

83) D

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Direct labour cost = \$13,055

Direct labour cost = $0.35 \times \text{Prime cost}$

Total manufacturing cost = \$79,700

Direct labour cost = $0.35 \times \text{Prime cost}$

Prime cost = Direct labour cost $\div 0.35$

Prime cost = $\$13,055 \div 0.35 = \$37,300$

Total manufacturing cost = Prime cost + Manufacturing overhead cost

$\$79,700 = \$37,300 + \text{Manufacturing overhead cost}$

Manufacturing overhead cost = \$42,400

84) B

Direct labour = $0.30 \times \text{Conversion cost}$

Manufacturing overhead = \$116,200

Conversion cost = Direct labour + Manufacturing overhead

Conversion cost = Direct labour + \$116,200

Conversion cost = $(0.30 \times \text{Conversion cost}) + \$116,200$

$0.70 \times \text{Conversion cost} = \$116,200$

Conversion cost = $\$116,200 \div 0.70$

Conversion cost = \$166,000

Direct labour = $0.30 \times \text{Conversion cost} = 0.30 \times \$166,000 = \$49,800$

85) C

Prime cost = Direct materials + Direct labour

= $\$41,000 + \$29,900 = \$70,900$

86) C

Total variable manufacturing overhead cost (\$1.70 per unit × 7,000 units)	\$11,900
---	----------

Total fixed manufacturing overhead cost (\$2.90 per unit × 9,400 units*)	27,260
---	--------

Total manufacturing overhead cost	\$39,160
--	----------

*The average fixed manufacturing overhead cost per unit was determined by dividing the total fixed manufacturing overhead cost by 9,400 units.

87) D

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Annual insurance expense = $\$5,040 \div 3 = \$1,680$

Portion applicable to product cost = $0.70 \times \$1,680 = \$1,176$

Portion applicable to period cost = $0.30 \times \$1,680 = \504

88) C

Variable cost per machine-hour = $\$765,310 \div 9,100 \text{ machine-hours} = \$84.10 \text{ per machine-hour}$

Fixed cost per machine-hour at 9,700 machine-hours = $\$224,070 \div 9,700 \text{ machine-hours} = \$23.10 \text{ per machine-hour}$

Total cost = Variable cost + Fixed cost

= $\$84.10 \text{ per machine-hour} + \$23.10 \text{ per machine-hour}$

= $\$107.20 \text{ per machine-hour}$

89) D

Fixed manufacturing overhead per unit	\$ 3.50
Number of units produced*	5,200
Total fixed manufacturing overhead cost	<u>\$ 18,200</u>

*The average fixed manufacturing overhead cost per unit was determined by dividing the total fixed manufacturing overhead cost by 5,200 units.

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90) B

Direct materials	\$ 7.05
Direct labour	4.20
Variable manufacturing overhead	1.55
Incremental manufacturing cost	<u>\$ 12.80</u>

91) B

Direct materials	\$ 6.65
Direct labour	3.00
Variable manufacturing overhead	1.70
Incremental manufacturing cost	<u>\$ 11.35</u>

92) C

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Cost of goods sold = Beginning merchandise inventory + Purchases – Ending merchandise inventory

$$\$61,900 = \$17,600 + \text{Purchases} - \$26,200$$

$$\text{Purchases} = \$61,900 - \$17,600 + \$26,200 = \$70,500$$

93) B

Direct costs of the Cosmetics Department = Cosmetics Department sales commissions + Cosmetics Department cost of sales + Cosmetics Department manager's salary = \$5,930 + \$37,200 + \$4,190 = \$47,320

94) A

Costs that are not direct costs of the Northridge Store = Corporate headquarters building lease + Corporate legal office salaries + Central warehouse lease cost = \$81,200 + \$61,200 + \$8,500 = \$150,900

95) A

Direct materials	\$ 6.50
Direct labour	3.40
Variable manufacturing overhead	1.25
Variable manufacturing cost per unit	<u>\$ 11.15</u>
Total variable manufacturing cost (\$11.15 per unit × 5,200 units produced)	<u>\$ 57,980</u>
Total fixed manufacturing overhead cost (\$3.50 per unit × 5,200 units produced)	18,200
Total product (manufacturing) cost	<u><u>\$ 76,180</u></u>

96) A

Direct materials	\$ 7.10
Direct labour	3.30
Direct manufacturing cost per unit (a)	<u>\$ 10.40</u>
Number of units produced (b)	4,750
Total direct manufacturing cost (a) × (b)	\$ 49,400

97) C

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Total variable manufacturing overhead cost ($\$2.15 \text{ per unit} \times 4,600 \text{ units}$)	\$ 9,890
Total fixed manufacturing overhead cost ($\$3.50 \text{ per unit} \times 5,600 \text{ units}$)	19,600
Total indirect manufacturing cost	<u>\$ 29,490</u>

*The average fixed manufacturing overhead cost per unit was determined by dividing the total fixed manufacturing overhead cost by 5,600 units.

98) B

Total variable manufacturing overhead cost ($\$1.60 \text{ per unit} \times 6,500 \text{ units}$)	\$ 10,400
Total fixed manufacturing overhead cost	17,500
Total manufacturing overhead cost	<u>\$ 27,900</u>

99) C

Total variable manufacturing overhead cost ($\$1.55 \text{ per unit} \times 7,000 \text{ units}$)	\$ 10,850
Total fixed manufacturing overhead cost	18,900
Total indirect manufacturing cost	<u>\$ 29,750</u>

100) A

Direct materials	\$ 6.35
Direct labour	3.40
Variable manufacturing overhead	1.30
Incremental manufacturing cost	<u>\$ 11.05</u>

101) C

Direct costs include the cost of clay used in production and the wages paid to the workers who paint the figurines. $\$76,000 + \$99,000 = \$175,000$

102) C

Product costs include the cost of clay used in production and the wages paid to the workers who paint the figurines. $\$67,000 + \$82,000 = \$149,000$

103) C

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Conversion costs include only the wages paid to the workers who paint the figurines.

104) C

Direct materials	\$ 7.10
Direct labour	3.80
Variable manufacturing overhead	1.35
Sales commissions	0.55
Variable administrative expense	0.65
Variable cost per unit sold	<u>\$ 13.45</u>
Variable cost per unit sold (a)	<u>\$ 13.45</u>
Number of units sold (b)	4,000
Total variable costs (a) × (b)	\$ 53,800

105) A

Total variable manufacturing overhead cost (\$1.45 per unit × 7,000 units)	\$ 10,150
Total fixed manufacturing overhead cost	25,900
Total manufacturing overhead cost	<u>\$ 36,050</u>

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106) A

Sales commissions	\$ 1.60
Variable administrative expense	0.50
Variable selling and administrative expense per unit	<u>\$ 2.10</u>
Total variable selling and administrative expense (\$2.10 per unit × 6,500 units sold)	<u>\$ 13,650</u>
Total fixed selling and administrative expense	3,000
Total period (nonmanufacturing) cost	<u>\$ 16,650</u>

107) B

Direct materials	\$ 5.00
Direct labour	3.40
Variable manufacturing overhead	1.70
Sales commissions	1.30
Variable administrative expense	0.45
Variable cost per unit sold	<u>\$ 11.85</u>

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108) C

Direct materials	\$ 4.80
Direct labour	3.80
Variable manufacturing overhead	1.50
Sales commissions	1.80
Variable administrative expense	0.60
Variable cost per unit sold	<u>\$ 12.50</u>
Variable cost per unit sold (a)	<u>\$ 12.50</u>
Number of units sold (b)	4,000
Total variable costs (a) × (b)	\$ 50,000

109) C

Sales commission per unit = Total sales commissions ÷ Unit sales = \$646,800 ÷ 38,500 = \$16.80

Total sales commission = Sales commission per unit × Unit sales = \$16.80 × 36,000 = \$604,800

110) A

Sales commission per unit = Total sales commissions ÷ Unit sales = \$741,200 ÷ 34,000 = \$21.80

The average sales commission per unit is constant within the relevant range.

111) D

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Average fixed inspection cost = Total fixed inspection cost ÷ Total activity

= \$166,530 ÷ 7,000 machine-hours

= \$23.79 per machine-hour

112) C

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Unit sales = $\$980,000 \div \70 per book = 14,000 books

Selling expenses = Fixed selling expenses + ($\$4$ per book $\times$ 14,000 books)

$\$110,000$ = Fixed selling expenses + $\$56,000$

Fixed selling expenses = $\$110,000 - \$56,000 = \$54,000$

Administrative expenses = Fixed administrative expenses + ($0.03 \times \$980,000$)

$\$124,000$ = Fixed administrative expenses + $\$29,400$

Fixed administrative expenses = $\$124,000 - \$29,400 = \$94,600$

Variable administrative expense per unit = $0.03 \times \$70$ per book = $\$2.10$ per book

$Y = (\$54,000 + \$94,600) + (\$4 + \$2.10) X$

$Y = \$148,600 + \$6.10X$

113) A

Sunk cost = Cost of old machine = $\$455,000$

114) A

Differential cost = $\$524,000 - \$438,000 = \$86,000$

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115) D

Opportunity cost = Return from alternative investment = $\$458,000$

116) B

Sales	\$ 467,000
Cost of goods sold	173,200
Gross margin	<u>\$ 293,800</u>

117) Short Answer

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- 1) Product.
- 2) Product.
- 3) Period.
- 4) Product.
- 5) Period.
- 6) Period.
- 7) Product.
- 8) Product.
- 9) Product.
- 10) Product.
- 11) Product.
- 12) Product.
- 13) Period.
- 14) Product.
- 15) Period.

118) Short Answer

	Opportunity Cost	Sunk Cost	Variable Cost	Fixed Cost	Manuf. Overhead	Product Cost	Selling Cost	Differential Cost
General rent				X	X	X		X
Utilities				X	X	X		X
Cost of the industrial design course		X						
Equipment rented				X	X	X		X
Material cost			X			X		X
Labour cost			X			X		X
Present salary	X							X
Advertising				X			X	X

119) Short Answer

Introduction to Managerial Accounting Edition 7 by Brewer

a.

LOGAN COMPANY		
Schedule of Cost of Goods Manufactured		
Raw materials used:		
Beginning inventory	\$2,100	
Purchases	<u>14,600</u>	
Available	16,700	
Less ending inventory	<u>3,200</u>	\$13,500
Direct labour		21,900
Manufacturing overhead:		
Depreciation—factory building	800	
Depreciation—factory equipment	1,600	
Indirect labour cost	TBEXAM.COM 11,800	
Insurance on factory	1,400	
Repairs and maintenance	900	
Taxes on factory	<u>450</u>	<u>16,950</u>
Total manufacturing cost		52,350
Add work in process inventory, beginning		<u>1,670</u>
		54,020
Less work in process inventory, ending		<u>1,110</u>
Cost of goods manufactured		<u>\$ 52,910</u>

b. Cost of Goods Sold

Finished goods inventory, beginning	\$46,980
Cost of goods manufactured (above)	<u>52,910</u>

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Available for sale	99,890
Less finished goods inventory, ending	44,410
Cost of goods sold	\$ 55,480

120) Short Answer

	Opportunity Cost	Sunk Cost	Variable Cost	Fixed Cost	Product Cost	Selling & Admin. Cost	Differential Cost*
Rent on unused factory space	X						X
Depreciation on the factory space		X		X	X		
Direct material and direct labour			X		X		X
Rental cost of the small warehouse				X		X	X
Advertising cost						X	X
Production supervisor's salary			X	X			X
Sales commissions		X				X	X

We suggest you allow either answers (a blank or an X) in this cell. Some experts would consider an opportunity cost to be a differential cost and others would not. It is all a matter of definition and the definitions given in the text do not really cover this contingency.

121) Short Answer

Cost of goods sold = 39,000 - 11,700 = 27,300.

Direct materials used = 1,000 + 11,000 - 3,000 = 9,000.

Cost of goods manufactured = 9,000 + 5,000 + (2,000 + 4,000 + 3,000 + 7,000) + 800 - 3,000 = 27,800.

Finished goods inventory, ending = 5,000 + 27,800 - 27,300 = 5,500.

122) Short Answer

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Direct materials used = $6,000 + 7,000 - 1,000 = 12,000$.

Cost of goods manufactured = $12,000 + 5,000 + (600 + 500 + 1,900 + 3,500) + 800 - 3,000 = 21,300$.

Cost of goods sold = $4,000 + 21,300 - 5,300 = 20,000$.

Gross margin = $31,800 - 20,000 = 11,800$

123) Short Answer

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MARCHANT MANUFACTURING

Schedule of Cost of Goods Manufactured

Direct materials used:	
Inventory, Sept. 1	\$24,000
Purchases	<u>102,000</u>
	126,000
Inventory, Sept. 30 (d)	<u>31,000</u>
Direct materials used—given	95,000
Direct labour	67,000
Manufacturing overhead (e)	<u>72,000</u>
Total manufacturing cost—given	234,000
Inventory of work in process, Sept 1	<u>6,000</u>
	240,000
Inventory of work in process, Sept 30 (c)	<u>7,000</u>
Cost of goods manufactured—given	<u>\$ 233,000</u>

MARCHANT MANUFACTURING

Income Statement

Sales		\$344,000
Cost of goods sold:		
Finished goods, Sept 1	\$101,000	
Cost of goods manufactured—above	<u>233,000</u>	
Available for sale	334,000	
Finished goods, Sept 30 (b)	<u>117,000</u>	
Cost of goods sold (a)		<u>217,000</u>
Gross margin—given		127,000
Operating expenses:		
Administrative expenses	41,000	

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Selling expenses	<u>56,000</u>	<u>97,000</u>
Net income—given		\$ <u>30,000</u>

124) Short Answer

a. Larsen Corporation

Schedule of Cost of Goods Manufactured

Direct materials:	
Raw materials inventory, beginning	\$40
Add: Purchases of raw materials	<u>150</u>
Raw materials available for use	190
Deduct: Raw materials inventory, ending	<u>80</u>
Raw materials used in production	110
Direct labour	110
Manufacturing overhead	<u>210</u>
Total manufacturing cost	430
Add: Work in process inventory, beginning	<u>20</u>
	450
Deduct: Work in process inventory, ending	<u>80</u>
Cost of goods manufactured	\$ <u>370</u>

b. Computation of cost of goods sold

Finished goods inventory, beginning	\$80
Add: Cost of goods manufactured	<u>370</u>
Goods available for sale	450
Deduct: Finished goods inventory, ending	<u>150</u>
Cost of goods sold	\$ <u>300</u>

c. Larsen Corporation

Income Statement

Sales	\$860
Less: Cost of goods sold	<u>300</u>
Gross margin	560
Less: Administrative expenses	130
Less: Selling expenses	<u>180</u>
Net income	\$ <u>250</u>

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125) Short Answer

a. Larner Corporation

Schedule of Cost of Goods Manufactured

Direct materials:	
Raw materials inventory, beginning	\$30
Add: Purchases of raw materials	<u>110</u>
Raw materials available for use	140
Deduct: Raw materials inventory, ending	<u>60</u>
Raw materials used in production	80
Direct labour	130
Manufacturing overhead	<u>200</u>
Total manufacturing cost	410
Add: Work in process inventory, beginning	<u>50</u>
	460
Deduct: Work in process inventory, ending	<u>10</u>
Cost of goods manufactured	<u>\$ 450</u>

b. Computation of cost of goods sold

Finished goods inventory, beginning	\$150
Add: Cost of goods manufactured	<u>450</u>
Goods available for sale	600
Deduct: Finished goods inventory, ending	<u>140</u>
Cost of goods sold	<u>\$ 460</u>

c. Larner Corporation

Income Statement

Sales	\$870
Less: Cost of goods sold	<u>460</u>
Gross margin	410
Less: Administrative expenses	160
Less: Selling expenses	<u>140</u>
Net income	<u>\$ 110</u>

126) Short Answer

Introduction to Managerial Accounting Edition 7 by Brewer

a. Larmont Corporation

Schedule of the Cost of Goods Manufactured

Direct materials:	
Raw materials inventory, beginning	\$20
Add: Purchases of raw materials	<u>100</u>
Raw materials available for use	120
Deduct: Raw materials inventory, ending	<u>80</u>
Raw materials used in production	40
Direct labour	240
Manufacturing overhead	<u>210</u>
Total manufacturing cost	490
Add: Work in process inventory, beginning	<u>50</u>
	540
Deduct: Work in process inventory, ending	<u>30</u>
Cost of goods manufactured	<u>\$ 510</u>

b. Computation of cost of goods sold

Finished goods inventory, beginning	\$160
Add: Cost of goods manufactured	<u>510</u>
Goods available for sale	670
Deduct: Finished goods inventory, ending	<u>150</u>
Cost of goods sold	<u>\$ 520</u>

c. Larmont Corporation

Income Statement

Sales	\$990
Less: Cost of goods sold	<u>520</u>
Gross margin	470
Less: Administrative expenses	100
Less: Selling expenses	<u>140</u>
Net income	<u>\$ 230</u>

127) Short Answer

Introduction to Managerial Accounting Edition 7 by Brewer

a. Martin Company

Schedule of the Cost of Goods Manufactured

Direct materials		\$1,000
Direct labour		1,600
Manufacturing overhead:		
Indirect materials	\$ 350	
Rent	450	
Maintenance	100	
Utilities	<u>300</u>	<u>1,200</u>
Total manufacturing costs		3,800
Add: WIP, beginning		<u>500</u>
		4,300
Deduct: WIP, ending		<u>900</u>
Cost of goods manufactured		<u>\$ 3,400</u>

b. Cost of Goods Sold

Finished goods, beginning	\$500
Add: Cost of goods manufactured	<u>3,400</u>
Goods available for sale	3,900
Finished goods, ending	<u>200</u>
Cost of goods sold	<u>3,700</u>

128) Short Answer

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Simply Sweets

Schedule of Cost of Goods Manufactured

For the month ended August 31, 2020

Raw materials, beginning	1,000	
Purchases of raw materials	11,000	
Raw materials available	12,000	
Raw materials inventory, ending	2,000	
Raw materials used in production		10,000
Baker's salary		3,000
Manufacturing Overhead:		
Rent on production factory	2,000	
Utilities on production factory	500	
Production Supervisor, Salary	4,000	
Indirect materials	500	7,000
Total manufacturing costs		20,000
Add: WIP inventory, beginning		2,500
Less: WIP inventory, ending		4,500
Cost of Goods Manufactured		18,000

Simply Sweets

Cost of Goods Sold Section

For the month ended August 31, 2020

Finished goods inventory, beginning	1,000	
Add: Cost of Goods Manufactured	18,000	
Finished goods available for sale	19,000	
Less: Finished goods inventory, ending	3,000	

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Cost of Goods Sold		16,000
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Simply Sweets

Income Statement

For the month ended August 31, 2020

Sales		40,000
Finished goods inventory, beginning	1,000	
Add: Cost of Goods Manufactured	18,000	
Finished goods available for sale	19,000	
Less: Finished goods inventory, ending	3,000	
Cost of Goods Sold		16,000
Gross Margin		24,000
Rent, retail store	1,000	
Wages, retail staff	3,000	
Utilities, retail store	500	
General & administrative expenses	3,500	
Total operating expenses		8,000
Net Income		16,000

129) Short Answer

Introduction to Managerial Accounting Edition 7 by Brewer

Sprinkles Inc.

Schedule of Cost of Goods Manufactured

For the month ended October 31, 2020

Raw materials, beginning	2,000	
Purchases of raw materials	15,000	
Raw materials available	17,000	
Raw materials inventory, ending	5,000	
Raw materials used in production		12,000
Baker's salary		7,000
Manufacturing Overhead:		
Rent on production factory	3,000	
Utilities on production factory	1,000	
Production Supervisor, Salary	4,000	
Indirect materials	2,500	10,500
Total manufacturing costs		29,500
Add: WIP inventory, beginning		3,000
Less: WIP inventory, ending		6,000
Cost of Goods Manufactured		26,500

Sprinkles Inc.

Cost of Goods Sold Section

For the month ended October 31, 2020

Finished goods inventory, beginning	2,000	
Add: Cost of Goods Manufactured	26,500	
Finished goods available for sale	28,500	

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Less: Finished goods inventory, ending	4,000	
Cost of Goods Sold		24,500

Sprinkles Inc.

Income Statement

For the month ended October 31, 2020

Sales		45,000
Finished goods inventory, beginning	2,000	
Add: Cost of Goods Manufactured	26,500	
Finished goods available for sale	28,500	
Less: Finished goods inventory, ending	4,000	
Cost of Goods Sold		24,500
Gross Margin		20,500
Rent, retail store	2,000	
Wages, retail staff	4,000	
Utilities, retail store	1,500	
General & administrative expenses	4,500	
Total operating expenses	2,000	12,000
Net Income		8,500

130) Short Answer

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Snickerdoodle Inc.

Schedule of Cost of Goods Manufactured

For the month ended October 31, 20120

Raw materials, beginning	11,000	
Purchases of raw materials	21,000	
Raw materials available	32,000	
Raw materials inventory, ending	12,000	
Raw materials used in production		20,000
Baker's salary		13,000
Manufacturing Overhead:		
Rent on production factory	12,000	
Utilities on production factory	10,500	
Production Supervisor, Salary	14,000	
Indirect materials	10,500	47,000
Total manufacturing costs		80,000
Add: WIP inventory, beginning		12,500
Less: WIP inventory, ending		14,500
Cost of Goods Manufactured		78,000

Snickerdoodle Inc.

Cost of Goods Sold Section

For the month ended October 31, 2020

Finished goods inventory, beginning	11,000	
Add: Cost of Goods Manufactured	78,000	
Finished goods available for sale	89,000	
Less: Finished goods inventory, ending	13,000	

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Cost of Goods Sold		76,000
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Snickerdoodle Inc.

Income Statement

For the month ended October 31, 2020

Sales		140,000
Finished goods inventory, beginning	11,000	
Add: Cost of Goods Manufactured	78,000	
Finished goods available for sale	89,000	
Less: Finished goods inventory, ending	13,000	
Cost of Goods Sold		76,000
Gross Margin		64,000
Rent, retail store	11,000	
Wages, retail staff	13,000	
Utilities, retail store	10,500	
General & administrative expenses	13,500	
Total operating expenses		48,000
Net Income		16,000

131) Short Answer

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Snickerdoodle Inc.

Schedule of Cost of Goods Manufactured

For the month ended September 30, 2020

Raw materials, beginning	11,000	
Purchases of raw materials	21,000	
Raw materials available	32,000	
Raw materials inventory, ending	12,000	
Raw materials used in production		20,000
Baker's salary		13,000
Manufacturing Overhead:		
Rent on production factory	12,000	
Utilities on production factory	10,500	
Production Supervisor, Salary	14,000	
Indirect materials	10,500	47,000
Total manufacturing costs		80,000
Add: WIP inventory, beginning		12,500
Less: WIP inventory, ending		14,500
Cost of Goods Manufactured		78,000

Snickerdoodle Inc.

Income Statement

For the month ended August 31, 2020

Sales		140,000
Finished goods inventory, beginning	11,000	
Add: Cost of Goods Manufactured	78,000	
Finished goods available for sale	89,000	

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Less: Finished goods inventory, ending	13,000	
Cost of Goods Sold		76,000
Gross Margin		64,000
Rent, retail store	11,000	
Wages, retail staff	13,000	
Utilities, retail store	10,500	
General & administrative expenses	13,500	
Total operating expenses		48,000
Net Income		16,000
Prime Costs (RM used + Direct Labor)	33,000	
Conversion Costs (Direct Labor + MOH)	60,000	

132) Short Answer

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Frosting Corp.

Schedule of Cost of Goods Manufactured

For the month ended August 31, 2020

Raw materials, beginning	25,000	
Purchases of raw materials	35,000	
Raw materials available	60,000	
Raw materials inventory, ending	15,000	
Raw materials used in production		45,000
Baker's salary		25,000
Manufacturing Overhead:		
Rent on production factory	24,000	
Utilities on production factory	15,000	
Production Supervisor, Salary	23,000	
Indirect materials	20,000	82,000
Total manufacturing costs		152,000
Add: WIP inventory, beginning		16,000
Less: WIP inventory, ending		<u>8,000</u>
Cost of Goods Manufactured		160,000

Frosting Corp.

Cost of Goods Sold Section

For the month ended August 31, 2020

Finished goods inventory, beginning	18,000	
Add: Cost of Goods Manufactured	160,000	
Finished goods available for sale	178,000	

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Less: Finished goods inventory, ending	20,000	
Cost of Goods Sold		158,000

Frosting Corp.

Income Statement

For the month ended August 31, 2020

Sales		300,000
Finished goods inventory, beginning	18,000	
Add: Cost of Goods Manufactured	160,000	
Finished goods available for sale	178,000	
Less: Finished goods inventory, ending	20,000	
Cost of Goods Sold		158,000
Gross Margin		142,000
Rent, retail store	22,000	
Wages, retail staff	15,000	
Utilities, retail store	15,000	
General & administrative expenses	17,000	
Total operating expenses		69,000
Net Income		73,000

133) Section Break

133.1) B

Option B

$$\$20,000 + \$55,000 + \$45,000 + \$60,000 = \$180,000$$

133.2) D

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Option D

$$\$300,000 + \$250,000 + (\$20,000 + \$55,000 + \$45,000 + \$60,000) = \$730,000$$

133.3) C

Option C

$$\$160,000 + \$20,000 + \$15,000 = \$195,000$$

134) Section Break

134.1) A

Option A

$$\$40 + \$120 - \$70 = \$90$$

134.2) B

Option B

$$((\$40 + \$120 - \$70) + \$200 + \$230) + \$70 - \$50 = \$540$$

134.3) A

Option A

$$((\$40 + \$120 - \$70) + \$200 + \$230) + \$70 - \$50 + \$120 - \$160 = \$500$$

134.4) B

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Option B

$$\$900 - \$500(\text{from 2-83}) - \$150 - \$140 = \$200$$

135) Section Break

135.1) D

Option D

$$\$90 + \$120 - \$30 = \$180$$

135.2) D

Option D

$$((\$90 + \$120 - \$30) + \$150 + \$250) + \$50 - \$20 = \$610$$

135.3) B

Option B

$$((\$90 + \$120 - \$30) + \$150 + \$250) + \$50 - \$20 + \$100 - \$150 = \$560$$

135.4) B

Option B

$$\$1,000 - ((\$90 + \$120 - \$30) + \$150 + \$250) + \$50 - \$20 + \$100 - \$150 - \$160 - \$140 = \$140$$

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136) Section Break

136.1) A

Option A

$$\$60 + \$180 - \$70 = \$170$$

136.2) A

Option A

$$((\$60 + \$180 - \$70) + \$100 + \$190) + \$70 - \$80 = \$450$$

136.3) A

Option A

$$(((\$60 + \$180 - \$70) + \$100 + \$190) + \$70 - \$80) + \$120 - \$160 = \$410$$

136.4) B

Option A

$$(((\$60 + \$180 - \$70) + \$100 + \$190) + \$70 - \$80) + \$120 - \$160 - \$110 - \$150 = \$130$$

137) Section Break

137.1) C

$$\text{Option C } \$105,000 + \$4,000 - (\$40,000 + \$20,000 + \$39,000) = \$10,000$$

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137.2) B

$$\text{Option B } \$105,000 + \$12,000 - \$110,000 = \$7,000$$

138) Section Break

138.1) D

Option D

$$\$550 + \$350 = \$900$$

138.2) C

Option C

$$\$450 + \$350 = \$800$$

138.3) D

Option D

$$\$1,350 + \$90 - \$140 = \$1,300$$

139) Section Break

139.1) B

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Option B

$$\$310,000 - \$260,000 = \$50,000$$

139.2) B

Option B

$$((\$310,000 - \$50,000) - \$25,000 + \$16,000) - \$120,000 - \$70,000 = \$61,000$$

139.3) C

Option C

$$\$310,000 - \$50,000 = \$260,000$$

140) Section Break

140.1) C

Option C

$$(\$32,000 + \$35,000 - \$31,000) + \$40,000 + \$70,000 = \$146,000$$

140.2) B

Option C

$$\$210,000 - \$124,000 - \$35,000 - \$25,000 = \$26,000$$

140.3) A

TBEXAM.COM

Option A

$$\$40,000 + \$70,000 = \$110,000$$

141) Section Break

141.1) C

Fixed period cost.

141.2) A

Fixed product cost.

141.3) B

Variable product cost.

141.4) C

Fixed period cost.

141.5) B

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Variable product cost.

141.6) B

Variable product cost.

141.7) B

Variable product cost.

141.8) C

Fixed period cost.

142) Section Break

142.1) A

Direct product cost.

142.2) B

Indirect product cost.

142.3) A

Direct product cost.

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142.4) A

Direct product cost.

142.5) A

Direct product cost.

142.6) C

Direct period cost.

142.7) D

Indirect period cost.

143) Section Break

143.1) B

Option B $\$18,000 + \$28,000 - \$19,000 = \$27,000$

143.2) C

Option C

$\$17,500 + \$21,000 + \$19,000 + \$17,500 = \$75,000$

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143.3) D

Option D $(\$17,500 + \$21,000 + \$19,000 + \$17,500) + \$20,000 + (\$18,000 + \$28,000 - \$19,000) = \$122,000$

143.4) C

Option C

$\$20,000 + (\$18,000 + \$28,000 - \$19,000) = \$47,000$

143.5) B

Option B

$(\$17,500 + \$21,000 + \$19,000 + \$17,500) + \$20,000 + (\$18,000 + \$28,000 - \$19,000) + \$19,500 - \$21,500 = \$120,000$

143.6) A

Option A $\$18,000 + ((\$17,500 + \$21,000 + \$19,000 + \$17,500) + \$20,000 + (\$18,000 + \$28,000 - \$19,000) + \$19,500 - \$21,500) - \$20,000 = \$118,000$

143.7) A

Option A

$\$243,000 - \$118,000 (\text{Cost of Sales}) - \$20,000 - \$18,000 - \$17,000 - \$20,000 = \$50,000$