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 considered to be period costs.
2) Depreciation is always considered a product cost for external financial reporting purposes in a manufacturing firm.
3) Advertising costs are considered product costs for external financial reports since they are incurred in order to promote specific products.
4) Property taxes and insurance premiums paid on a factory building are examples of manufacturing overhead.
5) Manufacturing overhead combined with direct materials is known as conversion cost.
6) If the ending inventory of finished goods is understated, net income will be overstated.
7) In a manufacturing company, goods available for sale equals the sum of the cost of goods manufactured and the beginning finished goods inventory.
8) Variable costs are costs whose per unit costs vary as the activity level rises and falls.
9) On a per unit basis, a fixed cost varies inversely with the level of activity.
10) All the following would typically be considered indirect costs of manufacturing a
11) $\qquad$
12) $\qquad$
13) $\qquad$
14) $\qquad$
15) $\qquad$
16) $\qquad$
17) $\qquad$
18) $\qquad$
19) $\qquad$
20) $\qquad$ particular 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.
21) 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.
22) 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.
23) A cost that differs from one month to another is known as a differential cost.
24) $\qquad$
25) $\qquad$
26) $\qquad$
27) $\qquad$ differ from those of a merchandising company.
28) $\qquad$
29) $\qquad$
30) Opportunity costs are always recorded as expenses in the accounts of an organization.
31) Sunk costs are irrelevant in making decisions.
32) The inventory accounts reported on the balance sheet of a manufacturing company will
$\qquad$
A) administrative cost.
B) manufacturing cost.
C) product cost.
D) selling expense.
33) The cost of fire insurance for a manufacturing plant is generally considered to be a:
34) $\qquad$
A) fixed cost.
B) product cost.
C) variable cost.
D) period cost.
35) The cost of rent for a manufacturing plant is generally considered to be a:
36) $\qquad$

|  | 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.
20) Each of the following would be a period cost except:
A) depreciation of a machine used in manufacturing.
B) the cost of a general accounting office.
C) sales commissions.
D) the salary of the company president's secretary.
21) For a manufacturing company, which of the following is an example of a period rather than a product cost?
A) Wages of machine operators.
B) Insurance on factory equipment.
C) Wages of salespersons.
D) Depreciation of factory equipment.
22) Which of the following would be considered a product cost for external financial reporting purposes?
A) Cost of travel necessary to sell the manufactured product.
B) Cost of sand spread on the factory floor to absorb oil from manufacturing machines.
C) Cost of a warehouse used to store finished goods.
D) Cost of guided public tours through the company's facilities.
23) Which of the following would NOT be treated as a product cost for external financial reporting purposes?
A) Advertising expenses.
B) Indirect labour in the factory.
C) Depreciation on a factory building.
D) Salaries of factory workers.
24) Transportation costs incurred by a manufacturing company to ship its product to its customers would be classified as which of the following?
A) Product cost.
B) Period cost.
C) Manufacturing overhead.
D) Administrative cost.
25) The salary of the president of a manufacturing company would be classified as which of the following?
A) Direct labour.
B) Product cost.
C) Manufacturing overhead.
D) Period cost.
26) Micro Computer Company has set up a toll-free telephone line for customer inquiries regarding computer hardware produced by the company. The cost of this toll-free line
20) $\qquad$
21) $\qquad$
22) $\qquad$
23) $\qquad$
24) $\qquad$
25) $\qquad$
wo be uld classifi
which
of the
followin
g ?
A) Direct labour.
B) Product cost.
C) Period cost.
D) Manufacturing overhead.
27) The wages of factory maintenance personnel would usually be considered to be:
27) $\qquad$

|  | Indirect 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 $d$.
28) Direct materials are a part of:
28) $\qquad$

|  | 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 $d$.
29) Manufacturing overhead consists of:
A) all manufacturing costs, except direct materials and direct labour.
B) indirect labour but not indirect materials.
C) indirect materials but not indirect labour.
D) all manufacturing costs.
30) 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) Taxes on a factory building.
D) Idle time for direct labour.
31) Rossiter Company failed to record a credit sale at the end of the year, although the
29) $\qquad$
30) $\qquad$ 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 understated, inventory was overstated, sales were understated, and cost of goods sold was overstated.
B) Accounts receivable was understated, inventory was not affected, sales were understated, and cost of goods sold was not affected.
C) Accounts receivable was not affected, inventory was not affected, sales were understated, and cost of goods sold was understated.
D) Accounts receivable was not affected, inventory was understated, sales were
understated, and cost of goods sold was understated.
32) If the cost of goods sold is greater than the cost of goods manufactured, then:
32) $\qquad$
33) $\qquad$ $\$ 60$. 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) total cost per unit will decrease.
C) variable cost per unit will increase.
D) fixed costs will increase in total.
34) Variable cost:
A) remains the same in total as production increases.
B) increases on a per unit basis as the number of units produced increases.
C) remains constant on a per unit basis as the number of units produced increases.
D) decreases on a per unit basis as the number of units produced increases.
35) Within the relevant range, the difference between variable costs and fixed costs is:
A) variable costs per unit are constant and fixed costs per unit fluctuate.
B) variable costs per unit fluctuate and fixed costs per unit remain constant.
C) both total variable costs and total fixed costs are constant.
D) both total variable costs and total fixed costs fluctuate.
36) Which of the following statements regarding fixed costs is incorrect?
36)
55)
34) $\qquad$
35) $\qquad$
A) Assumptions by accountants regarding the behaviour of fixed costs rest heavily on the concept of the relevant range.
B) Fixed costs expressed on a per unit basis will react inversely with changes in activity.
C) Fixed costs frequently represent long-term investments in property, plant, and equipment.
D) Expressing fixed costs on a per unit basis usually is the best approach for decision-making.
37) 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 total cost of goods manufactured will be?
A) $\$ 615,000$.
B) $\$ 600,000$.
C) $\$ 585,000$.
D) $\$ 630,000$.
38) Which of the following statements is true?
A) A direct cost cannot be easily and economically traced to a cost object.
B) An indirect cost is one incurred to support a number of cost objects.
C) The determination of a cost object is nor relevant to the traceability of costs.
D) An indirect cost can be easily traced to an individual cost object.
$\qquad$
$\qquad$
$\qquad$
A) work in process inventory has decreased during the period.
B) finished goods inventory has decreased during the period.
C) total manufacturing costs must be greater than cost of goods manufactured.
D) finished goods inventory has increased during the period.
33) Last month, when 10,000 units of a product were manufactured, the cost per unit was
$\qquad$
$\qquad$
A) a cost which may be saved by not adopting an alternative.
B) the difference in total costs which results from selecting one alternative instead of another.
C) the potential benefit forgone by selecting one alternative instead of another.
D) a cost which may be shifted to the future with little or no effect on current operations.
40) The term differential cost refers to:
40) $\qquad$
A) a cost which continues to be incurred even though there is no activity.
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 difference in cost between any two alternatives.
41) Which of the following costs is often important in decision making, but is omitted from conventional accounting records?
A) Fixed cost.
B) Indirect cost.
C) Opportunity cost.
D) Sunk cost.
42) When a decision is made among a number of alternatives, the potential benefit that is $\qquad$ lost by choosing one alternative over another is the:
A) accrued cost.
B) conversion cost.
C) opportunity cost.
D) realized cost.
43) Conversion cost consists of which of the following?
43) $\qquad$
A) Direct labour and manufacturing overhead costs.
B) Manufacturing overhead cost.
C) Direct labour cost.
D) Direct materials and direct labour costs.
44) Prime cost consists of direct materials combined with:
A) indirect materials.
B) direct labour.
C) manufacturing overhead.
D) cost of goods manufactured.
45) Which one of the following costs should NOT be considered a direct cost of serving a particular customer who orders a customized personal computer by phone directly from the manufacturer?
A) The cost of leasing a machine on a monthly basis that automatically tests hard disk drives before they are installed in computers.
B) The cost of packaging the computer for shipment.
C) The cost of the hard disk drive installed in the computer.
D) The cost of shipping the computer to the customer.
46) The sequence of major activities that every organization carries out to fulfill its mission is known as:
A) the manufacturing process.
B) the value chain.
C) marketing.
D) product planning and development.
47) Which of the following major activities of a business will result in product costs?
44) $\qquad$
45) $\qquad$
46) $\qquad$
A) Manufacturing.
B) General administrative.
C) Customer support.
D) Marketing.
47) $\qquad$
48) Which one of the following costs should NOT be considered an indirect cost of serving a particular customer at a Dairy Queen fast food outlet?
A) The wages of the employee who takes the customer's order.
B) The cost of heating and lighting the kitchen.
C) The cost of the hamburger patty in the burger they ordered.
D) The salary of the outlet's manager.
49) Green 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 cost of goods manufactured for the month?
A) $\$ 112,000$.
B) $\$ 138,000$.
C) $\$ 132,000$.
D) $\$ 105,000$.
50) A manufacturing company prepays its insurance coverage for a three-year period. The premium for the three years is $\$ 2,700$ and is paid at the beginning of the first year. Eighty percent of the premium applies to manufacturing operations and $20 \%$ 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. | $\$ 2,700$ | $\$ 0$ |
| b. | $\$ 2,160$ | $\$ 540$ |
| c. | $\$ 1,440$ | $\$ 360$ |
| d. | $\$ 720$ | $\$ 180$ |

A) choice $a$.
B) choice $b$.
C) choice c .
D) choice $d$.
51) Using the following data, calculate the beginning work in process inventory.

| Cost of goods sold | $\$ 70$ |
| :--- | ---: |
| Direct labour | $\$ 20$ |
| Direct materials | $\$ 15$ |
| Cost of goods manufactured | $\$ 80$ |
| Work in process ending | $\$ 10$ |
| Finished goods ending | $\$ 15$ |
| Manufacturing overhead | $\$ 30$ |

The beginning work in process inventory is:
A) $\$ 25$.
B) $\$ 15$.
C) $\$ 55$.
D) $\$ 20$.
52) 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) $\$ 45,000$.
C) $\$ 38,000$.
D) $\$ 36,000$.
53) Using the following data for January, calculate the cost of goods manufactured:
52) $\qquad$

| Ending wertk in process inventory | $\$ 11,000$ |
| :--- | :--- |

The cost
of goods
manufac
tured
was:
A) $\$ 80,000$.
B) $\$ 79,000$.
C) $\$ 89,000$.
D) $\$ 78,000$.
54) 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) $\$ 43,500$.
B) $\$ 40,500$.
C) $\$ 38,500$.
D) $\$ 41,500$.
55) Mueller Company reported the following data for the year just ended:
55)
54) $\qquad$

| Raw materials used in production | $\$$ | 800,000 |
| :--- | ---: | ---: |
| Direct labour | $\$$ | 700,000 |
| Total overhead costs | $\$$ | 900,000 |
| Ending work in process inventory | $\$$ | 400,000 |
| Cost of goods manufactured | $\$ \quad 2,500,000$ |  |

The beginning work in process inventory was:
A) $\$ 500,000$.
B) $\$ 300,000$.
C) $\$ 100,000$.
D) $\$ 1,300,000$.
56) Williams Company's direct labour cost is $25 \%$ of its conversion cost. If the
56) $\qquad$ 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) $\$ 60,000$.
D) $\$ 33,333$.
57) 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) $\$ 110,000$.
B) $\$ 50,000$.
C) $\$ 20,000$.
D) $\$ 150,000$.
58) The gross margin for Cushing Company for the first quarter of last year was $\$ 325,000$ when sales were $\$ 700,000$. The beginning inventory of finished goods was $\$ 60,000$ and the ending inventory of finished goods was $\$ 85,000$. The cost of goods manufactured for the first quarter would have been:
A) $\$ 485,000$.
B) $\$ 400,000$.
C) $\$ 350,000$.
D) $\$ 375,000$.
59) Last month a manufacturing company had the following operating results:
59) $\qquad$

| 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) $\$ 413,000$.
B) $\$ 463,000$.
C) $\$ 412,000$.
D) $\$ 411,000$.
60) The following information was provided by Wilson Company for the year just ended:
60) $\qquad$

| 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) $\$ 334,275$.
C) $\$ 333,275$.
D) $\$ 325,000$.
61) 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) $\$ 104,655$.
B) $\$ 95,345$.
C) $\$ 395,345$.
D) $\$ 404,655$.
62) The following inventory valuation errors were discovered by Knox Corporation's new
62) $\qquad$
$>$ The Year 3 ending inventory was understated by $\$ 17,000$.
$>$ The Year 2 ending inventory was understated by $\$ 61,000$.
$>$ The Year 1 ending inventory was overstated by $\$ 23,000$.
The net income for Knox in each of these years was:

|  | Year 3 | Year 2 | Year 1 |
| :--- | :---: | :---: | :---: |
| Net income | $\$ 168,000$ | $\$ 254,000$ | $\$ 138,000$ |

Assuming there were no income taxes and no corrections were made prior to the discovery of the errors after the end of year 3, the net income in each year should be adjusted to:

|  | Year 3 | Year 2 | Year 1 |
| :--- | :--- | :--- | :--- |
| a. | $\$ 212,000$ | $\$ 170,000$ | $\$ 161,000$ |
| b. | $\$ 124,000$ | $\$ 338,000$ | $\$ 115,000$ |
| c. | $\$ 90,000$ | $\$ 338,000$ | $\$ 161,000$ |
| d | $\$ 124,000$ | $\$ 170,000$ | $\$ 115,000$ |

A) choice $a$.
B) choice $b$.
C) choice c .
D) choice d.
63) Delta Merchandising, Inc. has provided the following information for the year just ended:

| Net sales | $\$ 128,500$ |
| :--- | ---: |
| Beginning inventory | 24,000 |

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Groksumation ory for
Thethe end compa
ny at 63)
year end
was:
A) $\$ 24,500$.
B) $\$ 65,450$.
C) $\$ 14,050$.
D) $\$ 9,950$.
64) 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) $\$ 130,150$.
B) $\$ 127,650$.
C) $\$ 157,650$.
D) $\$ 131,300$.
65) Gabel Inc. is a merchandising company. Last month the company's merchandise purchases totalled $\$ 63,000$. 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) $\$ 91,000$.
B) $\$ 63,000$.
C) $\$ 61,000$.
D) $\$ 65,000$.
66) 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) $\$ 86,000$.
B) $\$ 84,000$.
C) $\$ 122,000$.
D) $\$ 82,000$.
67) During January, the cost of goods manufactured was $\$ 93,000$. The beginning finished goods inventory was $\$ 16,000$ and the ending finished goods inventory was $\$ 20,000$. What was the cost of goods sold for the month?
A) $\$ 89,000$.
B) $\$ 129,000$.
C) $\$ 97,000$.
D) $\$ 93,000$.
68) 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 electricity cost for the course.
D) The salary of the building's custodian.
69) An accounting course is taught in two classes per week for one hour and fifty minutes
68)
$\qquad$
67) $\qquad$ 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 Accounting Department's secretary salary.
B) The course Instructor's salary for teaching the course (he only teaches this one course).
C) The salary of the building's custodian.
D) The property taxes on the land and classroom building.
70) The following information was provided by Jimbob Co. for the year just ended:
69) $\qquad$

## CosSales

EndGross margin

What
was
beginnin
g
finished
goods
inventor
y ?
A) $\$ 100,000$.
B) $\$ 200,000$.
C) $\$ 400,000$.
D) $\$ 300,000$.
71) The following account balances has been extracted from Jimbob Co.'s general ledger:
71) $\qquad$

| Direct materials used in production | $\$ 200,000$. |
| :--- | ---: |
| Depreciation factory building | $\$ 10,000$ |
| Depreciation factory equipment | $\$ 50,000$ |
| Depreciation sales department automobiles | $\$ 10,000$ |
| Direct wages factory employees | $\$ 200,000$ |
| Sales department salaries and commissions | $\$ 150,000$ |
| Factory manager's salary | $\$ 50,000$ |
| Utility costs factory | $\$ 50,000$ |
| Utility costs sales office | $\$ 20,000$. |

What was the total of manufacturing overhead?
A) $\$ 400,000$.
B) $\$ 110,000$.
C) $\$ 160,000$.
D) $\$ 740,000$.
72) The following account balances has been extracted from Jimbob Co.'s general ledger:
72) $\qquad$

| Direct materials used in production | $\$ 200,000$ |
| :--- | ---: |
| Depreciation factory building | $\$ 10,000$ |
| Depreciation factory equipment | $\$ 50,000$ |
| Depreciation sales department automobiles | $\$ 10,000$ |
| Direct wages factory employees | $\$ 200,000$ |
| Sales department salaries and commissions | $\$ 150,000$ |
| Factory manager's salary | $\$ 50,000$ |
| Utility costs factory | $\$ 50,000$ |
| Utility costs sales office | $\$ 20,000$. |

What was the total of manufacturing costs?
A) $\$ 400,000$.
B) $\$ 560,000$.
C) $\$ 510,000$.
D) $\$ 740,000$.
73) The following account balances has been extracted from Jimbob Co.'s general ledger:

| Direct materials used in production | $\$ 200,000$. |
| :--- | ---: |
| Depreciation factory building | $\$ 10,000$ |
| Depreciation factory equipment | $\$ 50,000$ |
| Depreciation sales department automobiles | $\$ 10,000$ |
| Direct wages factory employees | $\$ 200,000$ |
| Sales department salaries and commissions | $\$ 150,000$ |
| Factory manager's salary | $\$ 50,000$. |

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tota 1 of
A) $\$ 180,000$.
B) $\$ 150,000$.
C) $\$ 230,000$.
D) $\$ 160,000$.

Reference: 02-01
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 | $\$ 140$ |
| Selling expenses | $\$ 70$ |
| Work in process inventory, beginning | $\$ 50$ |
| Work in process inventory, ending | $\$ 120$ |
| Finished goods inventory, beginning | $\$ 160$ |
| Finished goods inventory, ending |  |

74) The cost of the raw materials used in production during the year (in thousands of dollars)
75) $\qquad$ was:
A) $\$ 190$.
B) $\$ 160$.
C) $\$ 90$.
D) $\$ 150$.
76) The cost of goods manufactured for the year (in thousands of dollars) was:
A) $\$ 540$.
B) $\$ 590$.
C) $\$ 570$.
D) $\$ 500$.
77) The cost of goods sold for the year (in thousands of dollars) was:
78) $\qquad$
A) $\$ 700$.
B) $\$ 580$.
C) $\$ 660$.
D) $\$ 500$.
79) The net income for the year (in thousands of dollars) was:
80) $\qquad$
A) $\$ 490$.
B) $\$ 150$.
C) $\$ 250$.
D) $\$ 200$.

Reference: 02-02
The following data (in thousands of dollars) have been taken from the accounting records of Karlana Corporation for the just completed year.

| Sales | $\$ 910$ |
| :--- | ---: |
| Raw materials inventory, beginning | $\$ 80$ |
| Raw materials inventory, ending | $\$ 20$ |
| Purchases of raw materials | $\$ 100$ |
| Direct labour | $\$ 130$ |
| Manufacturing overhead | $\$ 200$ |
| Administrative expenses | $\$ 160$ |
| Selling expenses | $\$ 140$ |
| Work in process inventory, beginning | $\$ 40$ |
| Work in process inventory, ending | $\$ 10$ |
| Finished goods inventory, beginning | $\$ 130$ |
| Finished goods inventory, ending | $\$ 150$ |

78) The cost of the raw materials used in production during the year (in thousands of dollars) $\qquad$ was:
A) $\$ 40$.
B) $\$ 120$.
C) $\$ 180$.
D) $\$ 160$.
79) The cost of goods manufactured for the year (in thousands of dollars) was:
80) $\qquad$
A) $\$ 460$.
B) $\$ 530$.
C) $\$ 500$.
D) $\$ 520$.
81) The cost of goods sold for the year (in thousands of dollars) was:
82) $\qquad$
A) $\$ 670$.
B) $\$ 540$.
C) $\$ 650$.
D) $\$ 500$.
83) The net income for the year (in thousands of dollars) was:
84) $\qquad$
A) $\$ 110$.
B) $\$ 410$.
C) $\$ 18$.
D) $\$ 40$.

Reference: 02-03
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 | $\$ 120$ |
| Finished goods inventory, beginning | $\$ 160$ |
| Finished goods inventory, ending |  |

82) The cost of the raw materials used in production during the year (in thousands of dollars)
83) $\qquad$ was:
A) $\$ 250$.
B) $\$ 240$.
C) $\$ 190$.
D) $\$ 170$.
84) The cost of goods manufactured or the year (in thousands of dollars) was:
A) $\$ 540$.
B) $\$ 470$.
C) $\$ 530$.
D) $\$ 450$.
85) The cost of goods sold for the year (in thousands of dollars) was:
86) $\qquad$
A) $\$ 410$.
B) $\$ 610$.
C) $\$ 490$.
D) $\$ 570$.
87) The net income for the year (in thousands of dollars) was:
88) $\qquad$
A) $\$ 190$.
B) $\$ 390$.
C) $\$ 70$.
D) $\$ 130$.

Reference: 02-04
The following data pertain to Harriman Company's operations during July:

|  | 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 |

86) The beginning work in process inventory was:
87) $\qquad$
88) $\qquad$
A) $\$ 7,000$.
B) $\$ 2,000$.
C) $\$ 17,000$.
D) $\$ 12,000$.

Reference: 02-05
Bergeron Inc. reported the following data for last year:

| Work in process inventory, beginning | $\$ 100$ |
| :--- | ---: |
| Work in process inventory, ending | $\$ 150$ |
| Finished goods inventory, beginning | $\$ 180$ |
| Finished goods inventory, ending | $\$ 200$ |
| Direct labour cost | $\$ 300$ |
| Direct materials cost | $\$ 500$ |
| Manufacturing overhead cost | $\$ 400$ |

88) The prime cost was:
89) $\qquad$
A) $\$ 900$.
B) $\$ 500$.
C) $\$ 800$.
D) $\$ 700$.
90) The conversion cost was:
91) The ending finished goods inventory was:
I

$\begin{array}{ll}\text { C) } \$ 14,000 . & \text { D) } \$ 10,000 \text {. }\end{array}$
A) $\$ 4,000$.
B) $\$ 1,000$.
A) $\$ 900$.
B) $\$ 700$.
C) $\$ 800$.
D) $\$ 500$.
92) The cost of goods manufactured was:
93) $\qquad$
$\begin{array}{ll}\text { C) } \$ 1,180 . & \text { D) } \$ 1,250 .\end{array}$
A) $\$ 1,220$.
B) $\$ 1,150$.
94) $\qquad$

Reference: 02-06
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 | $\$ 110,000$ |
| :--- | ---: |
| Direct labour costs for the year | 55,000 |
| Work in process, beginning | 22,000 |
| Finished goods, beginning | 45,000 |
| Cost of goods available for sale | 288,000 |
| Cost of goods sold | 238,000 |
| Work in process, ending | 16,000 |

91) The balance of the finished goods inventory at the end of the year was:
92) $\qquad$
A) $\$ 45,000$.
B) $\$ 193,000$.
C) $\$ 50,000$.
D) $\$ 95,000$.
93) Manufacturing overhead cost for the year was:
94) $\qquad$
A) $\$ 72,000$.
B) $\$ 78,000$.
C) $\$ 56,000$.
D) $\$ 84,000$.
95) Cost of goods manufactured for the year was:
96) $\qquad$
A) $\$ 160,000$.
B) $\$ 244,000$.
C) $\$ 243,000$.
D) $\$ 171,000$.

Reference: 02-07
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 |

94) If raw materials costing $\$ 35,000$ were purchased during January, the total manufacturing
95) $\qquad$ costs for the month was?
A) $\$ 146,000$.
B) $\$ 145,000$.
C) $\$ 151,000$.
D) $\$ 144,000$.
96) Assume that cost of goods sold for January was $\$ 124,000$. The net income for January was:
A) $\$ 26,000$.
B) $\$ 25,000$.
C) $\$ 61,000$.
D) $\$ 51,000$.
97) Boardman Company's total conversion cost for January was:
98) $\qquad$
A) $\$ 135,000$.
B) $\$ 170,000$.
C) $\$ 110,000$.
D) $\$ 130,000$.
99) Assume that cost of goods sold for Boardman Company for January was $\$ 140,000$. What
100) $\qquad$ was the cost of goods manufactured for the month?
A) $\$ 140,000$
B) $\$ 145,000$
C) $\$ 135,000$
D) $\$ 139,000$

Reference: 02-08
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)
98) If CD Company were to sell 43,000 units, the total expected cost would be?
A) $\$ 124,000$.
B) $\$ 146,000$.
C) $\$ 144,625$.
D) $\$ 166,625$.
98) $\qquad$
99) $\qquad$
$\square$ not round intermediate calculations. Round the final answer to two decimal places):
A) $\$ 2.48$.
B) $\$ 3.88$.
C) $\$ 3.16$.
D) $\$ 3.20$.
100) Jimbob Company has two business alternatives - A \& B with different total annual costs as set out below:

Total annual costs:
A
B
B

AdveAtäditg Otheronalketing c
Other offenses alter
ative B 100)
is
chosen
the
business
will
have to
use
some
space
for its
own
purpose
s that
are
currentl
y being
rented
to an
outside
business
for
\$5,000
per year.
What
are the
total
different
ial costs
between
the two
alternati
ves?
A) $\$ 2,000$.
B) $\$ 5,000$.
C) $\$ 7,000$.
D) $\$ 3,000$.

Reference: 02-09
Tech Computer manufactures computers 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:
101) Annual subscription fee paid to computer magazine.
A) Variable period cost.
B) Fixed period cost.
C) Fixed product cost.
D) Variable product cost.
102) Straight line depreciation on the factory building.
A) Variable product cost.
B) Fixed product cost.
C) Variable period cost.
D) Fixed period cost.
103) Units of production depreciation on the factory equipment.
101) $\qquad$
102) $\qquad$
A) Variable period cost.
B) Fixed product cost.
C) Fixed period cost.
D) Variable product cost.
103) $\qquad$
104) The delivery charges incurred when shipping the computers to distributors and retailers.
104) $\qquad$
A) Fixed product cost.
B) Fixed period cost.
C) Variable period cost.
D) Variable product cost.
105) The delivery charges incurred when shipping the computer hard drives to be installed in the computer.
105) $\qquad$
A) Fixed product cost.
B) Variable product cost.
C) Variable period cost.
D) Fixed period cost.
106) The hard drive installed in each computer.
B) Fixed period cost.
A) Variable period cost.
C) Fixed product cost.
D) Variable product cost.
107) Wages of factory supervisor.
107) $\qquad$
A) Variable product cost.
B) Fixed product cost.
C) Fixed period cost.
D) Variable period cost.
108) Cost of a warehouse (i.e. rent) used to store finished goods (computers) prior to selling
106) $\qquad$

108) $\qquad$ them to the customer.
A) Variable product cost.
B) Fixed product cost.
C) Variable period cost.
D) Fixed period cost.

Reference: 02-10
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).
109) The cost of cocoa used in the factory. $\qquad$
A) Direct product cost.
B) Indirect period cost.
C) Indirect product cost.
D) Direct period cost.
110) Rent on the production factory. $\qquad$
A) Indirect product cost.
B) Direct product cost.
C) Direct period cost.
D) Indirect period cost.
111) Almonds used in the chocolate covered almonds.
111)
A) Direct period cost.
B) Indirect period cost.
C) Indirect product cost.
D) Direct product cost.
112) Shipping costs to send the finished milk chocolate bars and chocolate covered almonds to wholesalers.
A) Indirect product cost.
B) Direct period cost.
C) Indirect period cost.
D) Direct product cost.
113) Salaries for milk chocolate bars production line workers
113)
$\qquad$
A) Direct product cost.
B) Indirect period cost.
C) Direct period cost.
D) Indirect product cost.
114) Advertising campaign for chocolate covered almonds. $\qquad$
A) Direct period cost.
B) Direct product cost.
C) Indirect product cost.
D) Indirect period cost.
115) Advertising campaign for Charlie's Chocolate Factory, no specific products were
115) $\qquad$ mentioned in the campaign.
A) Direct product cost.
B) Direct period cost.
C) Indirect product cost.
D) Indirect period cost.

## Reference: 02-11

Frosting Corp. has provided the following relating to the most recent month (August 31, 2016) of operations, for their main product, cupcakes

Baker's salaries
Finished goods inventory, beginning
Finished goods inventory, ending
General \& administrative expenses
Indirect materials
Production Supervisor, Salary
Purchases of raw materials
Raw materials inventory, ending
Raw materials inventory, beginning
Rent on production factory
Rent, retail store
Sales
Utilities on production factory
Utilities, retail store
Wages, retail staff
WIP inventory, beginning
WIP inventory, ending

20,000
18,000
20,000
20,000
17,500
21,000
28,000
19,000
18,000
19,000
18,000
243,000
17,500
17,000
20,000
19,500
21,500
116) What was the amount of raw materials used in production?
116)
A) $\$ 18,000$
B) $\$ 28,000$
C) $\$ 46,000$
D) $\$ 27,000$
117) What was the total manufacturing overhead incurred during the period?
A) $\$ 57,500$
B) $\$ 40,000$
C) $\$ 92,000$
D) $\$ 75,000$
118) What was the total manufacturing costs for the period?
118)
117) $\qquad$
A) $\$ 47,000$
B) $\$ 122,000$
C) $\$ 102,000$
D) $\$ 95,000$
119) What was the total prime costs for the period?
A) $\$ 95,000$
B) $\$ 27,000$
C) $\$ 47,000$
D) $\$ 20,000$
120) What was the cost of goods manufactured for the period?
A) $\$ 138,000$
B) $\$ 122,000$
C) $\$ 124,000$
D) $\$ 120,000$
121) What was the cost of goods sold for the period?
A) $\$ 123,000$
B) $\$ 120,000$
C) $\$ 121,000$
D) $\$ 118,000$
122) What was the operating income for the period?
119) $\qquad$
120) $\qquad$
121) $\qquad$
A) $\$ 88,000$
B) $\$ 125,000$
C) $\$ 50,000$
D) $\$ 68,000$
$\qquad$

ESSAY. Write your answer in the space provided or on a separate sheet of paper.
123) Stony Electronics Corporation manufactures a portable radio 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 radios:

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 radios.
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 radios.
15) The cost of telephone service for the executive offices.

Required:
Classify each of the items above as product (inventoriable) cost or period (noninventoriable) costs for the purpose of preparing external financial statements.
124) 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 <br> Cost | Sunk <br> Cost | Variable <br> Cost | Fixed <br> Cost | Manuf. <br> Overhead | Product <br> Cost | Selling <br> Cost | Differential <br> Cost* |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| General rent |  |  |  |  |  |  |  |  |
| Utilities |  |  |  |  |  |  |  |  |
| Cost of the <br> industrial design <br> course |  |  |  |  |  |  |  |  |
| Equipment rented |  |  |  |  |  |  |  |  |
| Material cost |  |  |  |  |  |  |  |  |
| Labour cost |  |  |  |  |  |  |  |  |
| Present salary |  |  |  |  |  |  |  |  |

Advertising*Between the altarnatives of going into business to make the device or not going into business to make the device.
125) 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 | 4,200 |
| Finished goods inventory, beginning | 44,480 |
| Finished goods inventory, ending | 240 |
| General liability insurance expense | 11,800 |
| Indirect labour cost | 1,400 |
| Insurance on factory | 14,600 |
| Purchases of raw materials | 900 |
| Repairs and maintenance of factory | 2,000 |
| Sales salaries | 450 |
| Taxes on factory | 1,410 |
| Travel and entertainment expense | 1,670 |
| Work in process inventory, beginning | 1,110 |
| Work in process inventory, ending |  |

## Required:

a. Prepare a schedule of Cost of Goods Manufactured in good form for the year.
b. Determine the Cost of Goods Sold for the year.
126) Laco Company acquired its factory building about 20 years ago. For a number of 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.

127) 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 | 4,000 |
| Accounts payable, beginning | 2,800 |
| Accounts payable, ending | 1,000 |
| Direct materials inventory, beginning | 3,000 |
| Direct materials inventory, ending | 2,000 |
| Indirect labour | 4,000 |
| Indirect materials used | 3,000 |
| Utilities expense, factory | $?$ |
| Cost of goods manufactured | 7,000 |
| Depreciation on factory equipment |  |

128) Use the following information to determine the gross margin for Pacific States Manufacturing for the year just ended (all amounts are in thousands (\$000) of dollars):

129) 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. | 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:
a. Compute the Cost of Goods Sold.
b. Compute the balance in Finished Goods Inventory at September 30.
c. Compute the balance in Work in Process Inventory at September 30.
d. Compute the balance in Raw Materials Inventory at September 30.
e. 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.)
130) 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:
a. Prepare a Schedule of Cost of Goods Manufactured in good form.
b. Compute the Cost of Goods Sold.
c. Using data from your answers above as needed, prepare an Income Statement in good form.
131) 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:

a. Prepare a Schedule of Cost of Goods Manufactured in good form.
b. Compute the Cost of Goods Sold.
c. Using data from your answers above as needed, prepare an Income Statement in good form.
132) 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:

a. Prepare a Schedule of Cost of Goods Manufactured in good form.
b. Compute the Cost of Goods Sold.
c. Using data from your answers above as needed, prepare an Income Statement in good form.
133) The following costs relate to one month's activity in Martin Company:

| Indirect materials | $\$ 300$ |
| :--- | ---: |
| Rent on factory building | 500 |


| MaintenaFinished goods inventory, beginning | 500 |  |
| :--- | ---: | ---: |
| Direct mdFinished goods inventory, ending | 250 |  |
| Utilities on factory | 250 |  |
| Direct labßequired: | 1,500 |  |
| Selling expense | 500 |  |

Administ
Work in ph:deeferminenthre, Coestiqfifigods sold. 600

| Work in process inventory, ending | 800 |
| :--- | :--- |

134) Simply Sweets has provided the following relating to the most recent month (August 31, 2016) 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 |

## Required:

a. Prepare a schedule of cost of goods manufactured in good format.
b. Prepare the cost of goods sold section of the income statement.
c. Prepare an income statement in good format.
135) Sprinkles Inc. has provided the following relating to the most recent month (October 31, 2016) of operations, for their main product, cupcakes.

| Baker's salary | 4,000 |
| :--- | ---: |
| General \& administrative expenses | 4,500 |
| Indirect materials | 1,500 |
| Production Supervisor, Salary | 5,000 |
| Raw material purchases | 12,000 |
| Rent on production factory | 3,000 |
| Rent, retail store | 2,000 |
| Sales | 41,000 |
| Utilities on production factory | 1,500 |
| Utilities, retail store | 1,500 |
| Wages, retail staff | 4,000 |


| Inventory Balances: | Beginning | Endig |  |
| :---: | :---: | :---: | :---: |
| Raw Matariliepare a schedule of cost of good, 0 (00anufacturesl, (0)0, |  |  |  |
|  |  |  |  |
| Finished Gdorspare an income statement in ge,0dformat. 4,000 |  |  |  |

136) Snickerdoodle Inc. has provided the following relating to the most recent month (September 30, 2016) 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:

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.
137) Snickerdoodle Inc. has provided the following relating to the most recent month (September 30, 2016) 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 |

s used in production
Require 2. Total manufacturing overhead
d : 3. Total manufacturing costs
Calculat 4. Cost of Goods Manufactured
e the 5. Cost of Goods Sold
followin 6. Gross Margin
g: 7. Operating Income (Loss)

1. Raw 8. Prime Costs
material 9. Conversion Costs
138) Frosting Corp. has provided the following relating to the most recent month (August 31, 2016) 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 |

## 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.
1) FALSE
2) FALSE
3) FALSE
4) TRUE
5) FALSE
6) FALSE
7) TRUE
8) FALSE
9) TRUE
10) FALSE
11) FALSE
12) TRUE
13) FALSE
14) FALSE
15) TRUE
16) TRUE
17) $A$
18) B
19) A
20) A
21) C
22) $B$
23) A
24) B
25) D
26) C
27) C
28) C
29) A
30) A
31) B
32) B
33) B
34) C
35) $A$
36) D
37) A
38) B
39) C
40) D
41) C
42) C
43) A
44) B
45) A
46) B
47) $A$
48) C
49) A
50) D
51) A
52) A
53) D
54) D
55) A
56) A
57) B
58) B
59) D
60) A
61) C
62) B
63) C
64) A
65) C
66) D
67) A
68) D
69) B
70) B
71) C
72) B
73) A
74) C
75) A
76) D
77) D
78) D
79) D
80) D
81) A
82) D
83) D
84) A
85) D
86) D
87) A
88) C
89) B
90) B
91) C
92) A
93) C
94) A
95) A
96) C
97) B
98) C
99) C
100) D
101) B
102) B
103) D
104) C
105) B
106) D
107) B
108) D
109) C
110) A
111) D
112) $C$
113) A
114) A
115) D
116) D
117) D
118) B
119) $C$
120) D
121) D
122) C
123) 124) Product.
1) Product.
2) Period.
3) Product.
4) Period.
5) Period.
6) Product.
7) Product.
8) Product.
9) Product.
10) Product.
11) Product.
12) Period.
13) Product.
14) Period.
15) 

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

125) a.

126) 

|  | Opportunity <br> Cost | Sunk <br> Cost | Variable <br> Cost | Fixed <br> Cost | Product <br> Cost |  <br> Admin. <br> Cost | Differential <br> Cost* |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Rent on unused <br> factory space | X |  |  |  |  |  | § |
| Depreciation on the <br> factory space |  | X |  | X | X |  |  |
| Direct material and <br> direct labour |  |  | X |  | X |  | X |
| Rental cost of the <br> small warehouse |  |  |  | X |  | X | X |
| Advertising cost |  |  |  | X |  | X | X |
| Production <br> 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.
127) 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 $=5,000+27,800-27,300=5,500$.
128) 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 $=31,800-20,000=11,800$
129)

| MARCHANT MANUFACTURING |  |
| :--- | ---: |
| Schedule of Cost of Goods Manufactured |  |
|  |  |
| Direct materials used: |  |
| Inventory, Sept. 1 | $\$ 24,000$ |
| Purchases | 102,000 |
|  | 126,000 |
| Inventory, Sept. 30 (d) | $\underline{31,000}$ |


| Direc Cost of goods sold: |  |  |
| :---: | :---: | :---: |
| DirecFinished goods, Sept 1 | \$ 101,000 |  |
| ManyCost of goods manufactured-above | 233,000 |  |
| Total Available for sale | 334,000 |  |
| InvenFinished goods, Sept 30 (b) | 117,000 |  |
| Cost of goods sold (a) |  | $\underline{217,000}$ |
| InvenGross margin-given |  | 127,000 |
| Cost Operating expenses: |  |  |
| Administrative expenses | 41,000 |  |
| MARSelling expenses | 56,000 | 97,000 |
| InconNet income-given |  | \$ 30,000 |
|  |  |  |
| Sales | \$ | ,000 |
| 130) a. |  |  |
| Larsen Corporation |  |  |
| Schedule of Cost of Goods Manufac |  |  |


b. Computation of cost of goods sold

c.

Larsen Corporation
Income Statement

131) a.

Larner Corporation
Schedule of Cost of Goods Manufactured

b. Computation of cost of goods sold

c.

Larner Corporation
Income Statement

132) a.

Larmont Corporation
Schedule of the Cost of Goods Manufactured


b.

Com Larmont Corporation
putat Income Statement
ion
of

133) a.

Martin Company
Schedule of the Cost of Goods Manufactured

b.

Cost of Goods Sold

134) Simply Sweets

Schedule of Cost of Goods Manufactured
For the month ended August 31, 2016


Secti
on
135) Sprinkles Inc.

Schedule of Cost of Goods Manufactured
For the month ended October 31, 2016


Sprinkles Inc.
Cost of Goods Sold Section
For the month ended October 31, 2016
month ended October 31, 2016


Snickerdoodle Inc.
Cost of Goods Sold Section
For the month ended October 31, 2016


Snickerdoodle Inc.
Income Statement
For the month ended October 31, 2016
137) Snickerdoodle Inc.

Schedule of Cost of Goods Manufactured
For the month ended September 30, 2016


Snickerdoodle Inc.
Income Statement
For the month ended August 31, 2016

138) Frosting Corp.

Schedule of Cost of Goods Manufactured
For the month ended August 31, 2016


Frosting Corp.
Cost of Goods Sold Section
For the month ended August 31, 2016


Frosting Corp.
Income Statement
For the month ended August 31, 2016


