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Chapter 2--Cost Terminology and Cost Behaviors

Student:
 A cost object is anything for which management wants to collect or accumulate costs. True False
2. A production plant could be a cost object. True False
3. A specific product cannot be a cost object True False
4. The portion of an asset's value on the balance sheet is referred to as an expired cost. True False
 The portion of an asset that was consumed during a period is referred to an expired cost. True False
6. A variable cost remains constant on a per-unit basis as production increases True False
7. A fixed cost remains constant on a per-unit basis as production changes. True False
8. The relevant range is valid for all levels of activity True False
9. An indirect cost can be easily traced to a cost object. True False

True False
11. Fixed cost per unit varies directly with production. True False
12. Variable cost per unit remains constant within the relevant range. True False
13. A cost that shifts upward or downward when activity changes by a certain interval is referred to as a mixed cost. True False
14. A cost that shifts upward or downward when activity changes by a certain interval is referred to as a step cost. True False
15. If the cost of an additive is \$5,000 + \$0.50 for every unit of solvent produced, the cost is classified as a mixed cost. True False
16. If the cost of an additive is \$5,000 + \$0.50 for every unit of solvent produced, the cost is classified as a step cost. True False
17. A predictor which has an absolute cause and effect relationship to a cost is referred to a cost driver. True False
18. A mixed cost will be an effective cost driver. True False

10. Both accountants and economists view variable costs as linear in nature.

19. A variable cost will be an effective cost driver.True False
20. Unexpired costs are reflected on the balance sheet. True False
21. Expired costs are reflected on the balance sheet. True False
22. Distribution costs are an example of product costs. True False
23. Distribution costs are an example of period costs. True False
24. Retailers generally have a much higher degree of conversion than do manufacturing or professional firms. True False
25. Retailers generally have a much lower degree of conversion than do manufacturing or professional firms. True False
26. In a service industry, direct materials are usually insignificant in amount and cannot easily be traced to a cost object. True False
27. In a service industry, direct materials are usually significant in amount and can be easily traced to a cost object.True False
28. There is an inverse relationship between prevention costs and failure costs. True False

True False
30. In an actual cost system, actual production overhead costs are accumulated in an Overhead Control account and assigned to Work in Process at the end of the period. True False
31. In an normal cost system, actual production overhead costs are accumulated in an Overhead Control account and assigned to Work in Process at the end of the period. True False
32. In a normal cost system, factory overhead is applied to Work in Process using a predetermined overhead rate. True False
33. In an actual cost system, factory overhead is applied to Work in Process using a predetermined overhead rate. True False
34. In an actual cost system, overhead is assigned to Work in Process Inventory with a debit entry to the account. True False
35. In an actual cost system, overhead is assigned to Work in Process Inventory with a credit entry to the account. True False
36. It is not necessary to prepare the Cost of Goods Manufactured statement prior to preparing the Cost of Goods Sold statement. True False

37. Anything for which management wants to accumulate or co	ollect costs is known as a	
38. Costs that can be conveniently traced to a cost object are re	eferred to as costs.	•
39. Costs that cannot be conveniently traced to a cost object an	re known as costs.	i .
40. A cost that remains unchanged in total within the relevant r cost.	range is known as a	
41. A cost that varies in total in direct proportion to changes in cost	activity is known as a	
42. The assumed range of activity that reflects the company's r	normal operating range is referred to as the	
43. A cost that remains constant on a per unit basis within the recost.	relevant range is a	_
44. A cost that varies inversely with the level of production is l	known as a cost.	
45. A cost that has both fixed and variable components is know	vn as a cost.	

46. A cost that shifts upward or do		ctivity changes b	y a certain interval	is referred to as a
47. Another name for inventoriabl	e costs is		costs.	
48. The three stages of production	, and	nring firm are	·	,
49. Costs that are incurred to impr costs.		recluding defects	s and improper proc	essing are referred to as
50. Costs incurred for monitoring		oducts are knowr	ı as	costs.
51. Costs that result from defective costs.	•	returns, and com	plaints are referred t	to as
52. The term "relevant range" as u A. costs may fluctuate. B. cost relationships are valid. C. production may vary. D. relevant costs are incurred.	sed in cost accor	unting means the	range over which	
53. Which of the following define	s variable cost b	ehavior?		
Total cost reaction to increase in activity	Cost per unit reaction to increase in activity			

C. increases			remains constant increases increases remains constant	
A. di B. to C. to	When costrect laborated mater tal overhooduction	r hours. ial cost. ead cost.	ships are l	inear, total variable prime costs will vary in proportion to changes in
55. V	Which of	the follow	ving woul	d generally be considered a fixed factory overhead cost?
Straight-line Factory depreciation insurance		-	Units-of-production depreciation	
A. B. C. D.	no yes yes no	no no yes yes	no yes no no	
A. to B. to C. co	otal indire tal hourly ost of elec	ect materia y wages.		
A. ex B. fit C. va	A cost that appred cost cost. ariable cost ixed cost.	st. est.	constant	in total but varies on a per-unit basis with changes in activity is called a(n)
A. hi B. fin C. st	A(n) istorical coxed cost ep cost udgeted co	cost	reases or c	lecreases in intervals as activity changes.

- 59. When the number of units manufactured increases, the most significant change in unit cost will be reflected as a(n)
- A. increase in the fixed element.
- B. decrease in the variable element.
- C. increase in the mixed element.
- D. decrease in the fixed element.
- 60. Which of the following always has a direct cause-effect relationship to a cost?

<u>Predictor</u>	Cost driver
A. yes	yes
B. yes	no
C. no	yes
D. no	no

- 61. A cost driver
- A. causes fixed costs to rise because of production changes.
- B. has a direct cause-effect relationship to a cost.
- C. can predict the cost behavior of a variable, but not a fixed, cost.
- D. is an overhead cost that causes distribution costs to change in distinct increments with changes in production volume.
- 62. Product costs are deducted from revenue
- A. as expenditures are made.
- B. when production is completed.
- C. as goods are sold.
- D. to minimize taxable income.
- 63. A selling cost is a(n)

product cost		period cost	inventoriable cost
A. yes	yes	no	
B. yes	no	no	
C. no	yes	no	
D. no	yes	yes	

- 64. Which of the following is **not** a product cost component?
- A. rent on a factory building
- B. indirect production labor wages
- C. janitorial supplies used in a factory
- D. commission on the sale of a product
- 65. Period costs
- A. are generally expensed in the same period in which they are incurred.
- B. are always variable costs.
- C. remain unchanged over a given period of time.
- D. are associated with the periodic inventory method.

66. Period costs include

distribution costs		outside processing costs	sales commissions
A. yes	no	yes	
B. no	yes	yes	
C. no	no	no	
D. yes	yes	yes	

- 67. The three primary inventory accounts in a manufacturing company are
- A. Merchandise Inventory, Supplies Inventory, and Finished Goods Inventory.
- B. Merchandise Inventory, Work in Process Inventory, and Finished Goods Inventory.
- C. Supplies Inventory, Work in Process Inventory, and Finished Goods Inventory.
- D. Raw Material Inventory, Work in Process Inventory, and Finished Goods Inventory.
- 68. Cost of Goods Sold is an
- A. unexpired product cost.
- B. expired product cost.
- C. unexpired period cost.
- D. expired period cost.
- 69. The indirect costs of converting raw material into finished goods are called
- A. period costs.
- B. prime costs.
- C. overhead costs.
- D. conversion costs.

70. Which of the following would need to be allocated to a cost object? A. direct material B. direct labor C. direct production costs D. indirect production costs
71. Conversion cost does not include A. direct labor. B. direct material. C. factory depreciation. D. supervisors' salaries.
72. The distinction between direct and indirect costs depends on whether a costA. is controllable or non-controllable.B. is variable or fixed.C. can be conveniently and physically traced to a cost object under consideration.D. will increase with changes in levels of activity.
73. Langley Company is a construction company that builds houses on special request. What is the proper classification of the carpenters' wages?
<u>Product</u> <u>Period</u> <u>Direct</u>
A. yes yes no B. yes no yes C. no no no D. no yes yes
74. Langley Company is a construction company that builds houses on special request. What is the proper classification of the cost of the cement building slab used?
<u>Direct</u> <u>Fixed</u>
A. no no B. no yes C. yes yes D. yes no

75. Langley Company is a construction company that builds houses on special request. What is the proper classification of indirect material used?

Conversion	<u>Variable</u>
o no	
es yes	
es yes	
o no	
	no no es yes es yes

- 76. Which of the following costs would be considered overhead in the production of chocolate chip cookies?
- A. flour
- B. chocolate chips
- C. sugar
- D. oven electricity
- 77. All costs related to the manufacturing function in a company are
- A. prime costs.
- B. direct costs.
- C. product costs.
- D. conversion costs.

78. Prime cost consists of

direct material		direct labor	overhead
A. no	yes	no	
B. yes	yes	no	
C. yes	no	yes	
D. no	yes	yes	

79. Plastic used to manufacture dolls is a

prime cost		product co	<u>ost</u>	direct cost	fixed cost
A. no	yes	yes	yes		
B. yes	no	yes	no		
C. yes	yes	no	yes		
D. yes	yes	yes	no		

- 80. The term "prime cost" refers to
- A. all manufacturing costs incurred to produce units of output.
- B. all manufacturing costs other than direct labor and raw material costs.
- C. raw material purchased and direct labor costs.
- D. the raw material used and direct labor costs.
- 81. Conversion of inputs to outputs is recorded in the
- A. Work in Process Inventory account.
- B. Finished Goods Inventory account.
- C. Raw Material Inventory account.
- D. both a and b.
- 82. In a perpetual inventory system, the sale of items for cash consists of two entries. One entry is a debit to Cash and a credit to Sales. The other entry is a debit to
- A. Work in Process Inventory and a credit to Finished Goods Inventory.
- B. Finished Goods Inventory and a credit to Cost of Goods Sold.
- C. Cost of Goods Sold and a credit to Finished Goods Inventory.
- D. Finished Goods Inventory and a credit to Work in Process Inventory.
- 83. The formula to compute cost of goods manufactured is
- A. beginning Work in Process Inventory plus purchases of raw material minus ending Work in Process Inventory.
- B. beginning Work in Process Inventory plus direct labor plus direct material used plus overhead incurred minus ending Work in Process Inventory.
- C. direct material used plus direct labor plus overhead incurred.
- D. direct material used plus direct labor plus overhead incurred plus beginning Work in Process Inventory.
- 84. The final figure in the Schedule of Cost of Goods Manufactured represents the
- A. cost of goods sold for the period.
- B. total cost of manufacturing for the period.
- C. total cost of goods started and completed this period.
- D. total cost of goods completed for the period.

- 85. The formula for cost of goods sold for a manufacturer is
- A. beginning Finished Goods Inventory plus Cost of Goods Manufactured minus ending Finished Goods Inventory.
- B. beginning Work in Process Inventory plus Cost of Goods Manufactured minus ending Work in Process Inventory.
- C. direct material plus direct labor plus applied overhead.
- D. direct material plus direct labor plus overhead incurred plus beginning Work in Process Inventory.
- 86. Which of the following replaces the retailing component "Purchases" in computing Cost of Goods Sold for a manufacturing company?
- A. direct material used
- B. cost of goods manufactured
- C. total prime cost
- D. cost of goods available for sale
- 87. Costs that are incurred to preclude defects and improper processing are:
- A. prevention costs
- B. detection costs
- C. appraisal costs
- D. failure costs
- 88. Costs that are incurred for monitoring and inspecting are:
- A. prevention costs
- B. detection costs
- C. appraisal costs
- D. failure costs
- 89. Costs that are incurred when customers complain are:
- A. prevention costs
- B. detection costs
- C. appraisal costs
- D. failure costs

90. Mitchell Company

The following information has been taken from the cost records of Mitchell Company for the past year:

Raw material used in production	\$326
Total manufacturing costs charged to production during the year (includes direct material, direct labor, and overhead equal to	686
60% of direct labor cost)	
Cost of goods available for sale	826
Selling and Administrative expenses	25

Inventories	Beginning	Ending
Raw Material	\$75	\$ 85
Work in Process	80	30
Finished Goods	90	110

Refer to Mitchell Company. The cost of raw material purchased during the year was

A. \$316.

B. \$336.

C. \$360.

D. \$411.

91. Mitchell Company

The following information has been taken from the cost records of Mitchell Company for the past year:

Raw material used in production	\$326
Total manufacturing costs charged to production during the year (includes direct material, direct labor, and overhead equal to	686
60% of direct labor cost)	
Cost of goods available for sale	826
Selling and Administrative expenses	25

Inventories	Beginning	Ending
Raw Material	\$75	\$ 85
Work in Process	80	30
Finished Goods	90	110

Refer to Mitchell Company. Direct labor cost charged to production during the year was

A. \$135.

B. \$216.

C. \$225.

D. \$360.

92. Mitchell Company

The following information has been taken from the cost records of Mitchell Company for the past year:

Raw material used in production	\$326
Total manufacturing costs charged to production during the year (includes direct material, direct labor, and overhead equal to	686
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Selling and Administrative expenses	25

Inventories	Beginning	Ending
Raw Material	\$75	\$ 85
Work in Process	80	30
Finished Goods	90	110

Refer to Mitchell Company. Cost of Goods Manufactured was

A. \$636.

B. \$716.

C. \$736.

D. \$766.

93. Mitchell Company

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Raw material used in production	\$326
Total manufacturing costs charged to production during the year (includes direct material, direct labor, and overhead equal to	686
60% of direct labor cost)	
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<u>Inventories</u>	Beginning	Ending
Raw Material	\$75	\$ 85
Work in Process	80	30
Finished Goods	90	110

Refer to Mitchell Company. Cost of Goods Sold was

A. \$691.

B. \$716.

C. \$736.

D. \$801.

94. Davis Company.

Davis Company manufactures wood file cabinets. The following information is available for June 2008:

	Beginning	Ending
Raw Material Inventory	\$ 6,000	\$ 7,500
Work in Process Inventory	17,300	11,700
Finished Goods Inventory	21,000	16,300

Refer to Davis Company. Direct labor is \$9.60 per hour and overhead for the month was \$9,600. Compute total manufacturing costs for June, if there were 1,500 direct labor hours and \$21,000 of raw material was purchased.

A. \$58,500

B. \$46,500

C. \$43,500

D. \$43,100

95. Davis Company.

Davis Company manufactures wood file cabinets. The following information is available for June 2008:

	Beginning	Ending
Raw Material Inventory	\$ 6,000	\$ 7,500
Work in Process Inventory	17,300	11,700
Finished Goods Inventory	21,000	16,300

Refer to Davis Company. Direct labor is paid \$9.60 per hour and overhead for the month was \$9,600. What are prime costs and conversion costs, respectively if there were 1,500 direct labor hours and \$21,000 of raw material was purchased?

A. \$29,100 and \$33,900

B. \$33,900 and \$24,000

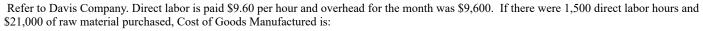
C. \$33,900 and \$29,100

D. \$24,000 and \$33,900

96. Davis Company.

Davis Company manufactures wood file cabinets. The following information is available for June 2008:

	Beginning	<u>Ending</u>
Raw Material Inventory	\$ 6,000	\$ 7,500
Work in Process Inventory	17,300	11,700
Finished Goods Inventory	21,000	16,300



A. \$49,100.

B. \$45,000.

C. \$51,000.

D. \$49,500.

97. Davis Company.

Davis Company manufactures wood file cabinets. The following information is available for June 2008:

	Beginning	Ending
Raw Material Inventory	\$ 6,000	\$ 7,500
Work in Process Inventory	17,300	11,700
Finished Goods Inventory	21,000	16,300

Refer to Davis Company. Direct labor is paid \$9.60 per hour and overhead for the month was \$9,600. If there were 1,500 direct labor hours and \$21,000 of raw material purchased, how much is Cost of Goods Sold?

A. \$64,500.

B. \$59,800.

C. \$38,800.

D. \$53,800.

98. Steelman Company manufacturers desks. The beginning balance of Raw Material Inventory was \$4,500; raw material purchases of \$29,600 were made during the month. At month end, \$7,700 of raw material was on hand. Raw material used during the month was

A. \$26,400.

B. \$34,100.

C. \$37,300.

D. \$29,600.

99. Legend Company manufacturers tables. If raw material used was \$80,000 and Raw Material Inventory at the beginning and end of the period, respectively, was \$17,000 and \$21,000, what was amount of raw material was purchased?

A. \$76,000

B. \$118,000

C. \$84,000

D. \$101,000

100. Morris Company manufacturers computer stands. What is the beginning balance of Finished Goods Inventory if Cost of Goods Sold is \$107,000; the ending balance of Finished Goods Inventory is \$20,000; and Cost of Goods Manufactured is \$50,000 less than Cost of Goods Sold?

A. \$70,000

B. \$77,000

C. \$157,000

D. \$127,000

101. Long Enterprises

Inventories: March 1 March 31 Raw material \$18,000 \$15,000 Work in process 9,000 6,000 Finished goods 27,000 36,000 Additional information for March: Raw material purchased \$42,000 Direct labor payroll 30,000 Direct labor rate per hour 7.50 Overhead rate per direct labor hour 10.00

Refer to Long Enterprises. For March, prime cost incurred was

A. \$75,000.

B. \$69,000.

C. \$45,000.

D. \$39,000.

102. Long Enterprises

<u>Inventories</u> :	March 1	March 31
Raw material	\$18,000	\$15,000
Work in process	9,000	6,000
Finished goods	27,000	36,000
Additional information for March:		
Raw material purchased	\$42,000	
Direct labor payroll	30,000	
Direct labor rate per hour	7.50	
Overhead rate per direct labor hour	10.00	

Refer to Long Enterprises. For March, conversion cost incurred was

A. \$30,000.

B. \$40,000.

C. \$70,000.

D. \$72,000.

103. Long Enterprises

Inventories:	March 1	March 31
Raw material	\$18,000	\$15,000
Work in process	9,000	6,000
Finished goods	27,000	36,000
Additional information for March:		
Raw material purchased	\$42,000	
Direct labor payroll	30,000	
Direct labor rate per hour	7.50	
Overhead rate per direct labor hour	10.00	

Re	efer to Long Enterpris	es. For Marcl	h, Cost of Goo	ods Manufacture	ed was
A.	\$118,000.				

B. \$115,000.

C. \$112,000. D. \$109,000.

104. Define relevant range and explain its significance.

105. Define a variable cost and a fixed cost. What causes changes in these costs? Give two examples of each.

106. What is the difference between a product cost and a period cost? Give three examples of each. What is the difference between a direct cost and indirect cost? Give two examples of each.
107. What are three reasons that overhead must be allocated to products?
108. Why should predetermined overhead rates be used?
109. List and explain three types of quality costs.

	iven the following information for Graves Corporation, prepare the necessary journal entries, assuming e Raw Material Inventory account contains both direct and indirect material.
a. b. c. d. e. f.	Purchased raw material on account \$28,500. Put material into production: \$15,000 of direct material and \$3,000 of indirect material. Accrued payroll of \$90,000, of which 70 percent was direct and the remainder was indirect. Incurred and paid other overhead items of \$36,000. Transferred items costing \$86,500 to finished goods. Sold goods costing \$71,300 on account for \$124,700.

111. Prepare a Schedule of Cost of Goods Manufactured (in good form) for the Chandler Company from the following information for June 20X8:

Beginning	Ending
\$ 6,700	\$ 8,900
17,700	22,650
29,730	19,990
	\$ 6,700 17,700

Additional information: purchases of raw material were \$46,700; 19,700 direct labor hours were worked at \$11.30 per hour; overhead costs were \$33,300.

112. In June 20X8, the Evans Company has Cost of Goods Manufactured of \$296,000; beginning Finished Goods Inventory of \$29,730; and ending Finished Goods Inventory of \$19,990. Prepare an income statement in good form. (Ignore taxes.) The following additional information is available:

Selling Expenses \$ 40,500 Administrative Expenses 19,700 Sales 475,600

113. The following information is for the Cameron Manufacturing Company for November.

Inventories	Beginning	Ending
Raw Material	\$17,400	\$13,200
Work in Process	31,150	28,975
Finished Goods	19,200	25,500

Direct Labor (21,000 DLH @ \$13)

Raw Material Purchases	\$120,000	Insurance-Office	2,570
Indirect Labor	11,200	Office Supplies Expense	900
Factory Supplies Used	350	Insurance-Factory	1,770
Other Expenses:		Depr. Office Equipment	3,500
DeprFactory Equipment	17,300	Repair/Maintenance-Factory	7,400

Calculate total manufacturing costs, cost of goods manufactured, and cost of goods sold.

114. From the following information for the Seabrook Company, compute prime costs and conversion costs.

<u>Inventories</u>	Beginning	Ending
Raw Material	\$ 9,900	\$ 7,600
Work in Process	44,500	37,800
Finished Goods	36,580	61,300

Raw material purchased during the period cost \$40,800; overhead incurred and paid or accrued for the period was \$21,750; and 23,600 direct labor hours were incurred at a rate of \$13.75 per hour.

115. The following miscellaneous data has been collected for a manufacturing company for the most recent year-end:

Inventories:	Beginning	Ending
Raw material	\$50,000	\$55,000
Work in process	40,000	45,000
Finished goods	60,000	50,000
Costs recorded during the year:		
Purchases of raw material	\$195,000	
Direct labor	150,000	
Cost of goods sold	595,000	

Required: Prepare a cost of goods manufactured statement showing how *all* unknown amounts were determined.

116. The following information was taken from the records of the Beaumont Corporation for the month of July. (There were no inventories of work in process or finished goods on July 1.)

<u>Units</u>		Cost	
Sales 8,000 during		\$?	
month			
Manuf			
acturin			
g costs for			
month:			
Direct material			32,000
Direct labor			20,000
Overhead costs	applied		15,000
Overhead costs	under-applied		800
Invent ories, July 31:			
Work in proces	S	1,000	?
Finished goods		2,000	?

Indirect manufacturing costs are applied on a direct labor cost basis. The under-applied balance is due to seasonal variations and will be carried forward. The following cost estimates have been submitted for the work in process inventory of July 31: material, \$3,000; direct labor, \$2,000.

Required:

- a. Determine the number of units that were completed and transferred to finished goods during the month.
- b. Complete the estimate of the cost of work in process on July 31.
- c. Compute cost of goods manufactured for the month.
- d. Determine the cost of each unit completed during the month.
- e. Determine the total amount debited to the Overhead Control accounts during the month.

117. The Sherwood Groves Corporation had the following account balances:

Raw Materia	^I Manufact				
	uring Overhead				
	Overhead				
Bal. 1/1	30,000	?		385,000	?
	420,000				
Bal. 12/31	60,000				

Work in Process	Fact		
	ory		
	Wag		
	es		
	Pay		
	able		
Bal. 1/1	70,00	810,000	179, 110,000
Direct material	0		179, B 10,000 000 175,000
	320,0 00		
	00		
			1
Direct labor	110,0		
Overhead	00		—
Overhead	400,0 00		4 6,000
			1
			2

Bal. 12/31	?					
		l				
Finished Goods	С					
	os					
	t					
	of G					
	00					
	ds					
	S					
	ol d					
Bal. 1/1	40,	?	?			
	00					
	?					
Bal. 12/31	13 0,0 00					
	00				ı	

Required:

- What was the cost of raw material put into production during the year?
- b. How much of the material from question 1 consisted of indirect material?
- How much of the factory labor cost for the year consisted of indirect labor? c.
- What was the cost of goods manufactured for the year? d.
- e.
- What was the cost of goods sold for the year (before considering under- or overapplied overhead)? If overhead is applied to production on the basis of direct material, what rate was in effect during the year? f.
- Was manufacturing overhead under- or overapplied? By how much?
- Compute the ending balance in the Work in Process Inventory account. Assume that this balance consists entirely of goods started during h. the year. If \$32,000 of this balance is direct material cost, how much of it is direct labor cost? Manufacturing overhead cost?

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8. The relevant range is valid for all levels of activity FALSE
9. An indirect cost can be easily traced to a cost object.

FALSE

10. Both accountants and economists view variable costs as linear in nature. FALSE
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27. In a service industry, direct materials are usually significant in amount and can be easily traced to a cost object. FALSE
28. There is an inverse relationship between prevention costs and failure costs. TRUE

29. There is a direct relationship between prevention costs and failure costs. FALSE
30. In an actual cost system, actual production overhead costs are accumulated in an Overhead Control account and assigned to Work in Process at the end of the period. TRUE
31. In an normal cost system, actual production overhead costs are accumulated in an Overhead Control account and assigned to Work in Process at the end of the period. FALSE
32. In a normal cost system, factory overhead is applied to Work in Process using a predetermined overhead rate. TRUE
33. In an actual cost system, factory overhead is applied to Work in Process using a predetermined overhead rate. FALSE
34. In an actual cost system, overhead is assigned to Work in Process Inventory with a debit entry to the account. TRUE
35. In an actual cost system, overhead is assigned to Work in Process Inventory with a credit entry to the account. FALSE
36. It is not necessary to prepare the Cost of Goods Manufactured statement prior to preparing the Cost of Goods Sold statement. FALSE

37. Anything for which management wants to accumulate or collect costs is known as a
<u>cost object</u>
38. Costs that can be conveniently traced to a cost object are referred to as costs. direct
39. Costs that cannot be conveniently traced to a cost object are known as costs. indirect
40. A cost that remains unchanged in total within the relevant range is known as acost. fixed
41. A cost that varies in total in direct proportion to changes in activity is known as acost variable
42. The assumed range of activity that reflects the company's normal operating range is referred to as the relevant range.
43. A cost that remains constant on a per unit basis within the relevant range is a cost. variable
44. A cost that varies inversely with the level of production is known as a cost. fixed
45. A cost that has both fixed and variable components is known as a cost. mixed

46. A cost that shifts upward or d	ownward when activity changes by a certain interv	al is referred to as a
step		
47. Another name for inventorial product	ele costs is costs.	
48. The three stages of production	n for a manufacturing firm are	
raw materials, work in process.	, and finished goods	
49. Costs that are incurred to imp costs. prevention	rove quality by precluding defects and improper pr	ocessing are referred to as
50. Costs incurred for monitoring appraisal	g or inspecting products are known as	costs.
51. Costs that result from defective costs. failure	ve units, product returns, and complaints are referre	ed to as
 52. The term "relevant range" as A. costs may fluctuate. B. cost relationships are valid. C. production may vary. D. relevant costs are incurred. 	used in cost accounting means the range over which	h
53. Which of the following define	es variable cost behavior?	
Total cost reaction to increase in activity	Cost per unit reaction to increase in activity	

			remains constant increases increases				
<u>D.</u> increases				remains constant			
 54. When cost relationships are linear, total variable prime costs will vary in proportion to changes in A. direct labor hours. B. total material cost. C. total overhead cost. D. production volume. 							
55. V	Which of	the follow	wing woul	d generally be considered a fixed factory overhead cost?			
Straig!		Facto insur		Units-of-production depreciation			
A. B. <u>C.</u> D.	no yes yes no	no no yes yes	no yes no no				
A. to B. to C. co	An examp otal indire otal hourly ost of electraight-lin	ct materi wages. etricity.		S			
A. ex B. fix C. va	A cost that expired cost exed cost. ariable cost sixed cost	st. st.	s constant	in total but varies on a per-unit basis with changes in activity is called a(n)			
A. hi B. fit C. st	A(n) istorical c xed cost ep cost udgeted c	ost	reases or d	decreases in intervals as activity changes.			

- 59. When the number of units manufactured increases, the most significant change in unit cost will be reflected as a(n)
- A. increase in the fixed element.
- B. decrease in the variable element.
- C. increase in the mixed element.
- **<u>D.</u>** decrease in the fixed element.
- 60. Which of the following always has a direct cause-effect relationship to a cost?

<u>Predictor</u>	Cost driver
A. yes B. yes C. no D. no	yes no yes no

- 61. A cost driver
- A. causes fixed costs to rise because of production changes.
- **B.** has a direct cause-effect relationship to a cost.
- C. can predict the cost behavior of a variable, but not a fixed, cost.
- D. is an overhead cost that causes distribution costs to change in distinct increments with changes in production volume.
- 62. Product costs are deducted from revenue
- A. as expenditures are made.
- B. when production is completed.
- **C.** as goods are sold.
- D. to minimize taxable income.
- 63. A selling cost is a(n)

product cost		period cost	inventoriable cost
A. yes	yes	no	
B. yes	no	no	
<u>C.</u> no	yes	no	
D. no	yes	yes	

- 64. Which of the following is **not** a product cost component?
- A. rent on a factory building
- B. indirect production labor wages
- C. janitorial supplies used in a factory
- **D.** commission on the sale of a product
- 65. Period costs
- **A.** are generally expensed in the same period in which they are incurred.
- B. are always variable costs.
- C. remain unchanged over a given period of time.
- D. are associated with the periodic inventory method.

66. Period costs include

distribution costs		outside processing costs	sales commissions
<u>A.</u> yes	no	yes	
B. no	yes	yes	
C. no	no	no	
D. yes	yes	yes	

- 67. The three primary inventory accounts in a manufacturing company are
- A. Merchandise Inventory, Supplies Inventory, and Finished Goods Inventory.
- B. Merchandise Inventory, Work in Process Inventory, and Finished Goods Inventory.
- C. Supplies Inventory, Work in Process Inventory, and Finished Goods Inventory.
- **D.** Raw Material Inventory, Work in Process Inventory, and Finished Goods Inventory.
- 68. Cost of Goods Sold is an
- A. unexpired product cost.
- **B.** expired product cost.
- C. unexpired period cost.
- D. expired period cost.
- 69. The indirect costs of converting raw material into finished goods are called
- A. period costs.
- B. prime costs.
- C. overhead costs.
- D. conversion costs.

70. Which of the following would need to be allocated to a cost object? A. direct material B. direct labor C. direct production costs D. indirect production costs
71. Conversion cost does not include A. direct labor. B. direct material. C. factory depreciation. D. supervisors' salaries.
72. The distinction between direct and indirect costs depends on whether a cost A. is controllable or non-controllable. B. is variable or fixed. C. can be conveniently and physically traced to a cost object under consideration. D. will increase with changes in levels of activity.
73. Langley Company is a construction company that builds houses on special request. What is the proper classification of the carpenters' wages?
<u>Product</u> <u>Period</u> <u>Direct</u>
A. yes yes no B. yes no yes C. no no no D. no yes yes
74. Langley Company is a construction company that builds houses on special request. What is the proper classification of the cost of the cement building slab used?
<u>Direct</u> <u>Fixed</u>
A. no no B. no yes C. yes yes D. yes no

75. Langley Company is a construction company that builds houses on special request. What is the proper classification of indirect material used?

<u>Prime</u>	Conversion		<u>Variable</u>	
A. no B. no	no yes	no yes		
C. yes D. yes	yes no	yes no		

- 76. Which of the following costs would be considered overhead in the production of chocolate chip cookies?
- A. flour
- B. chocolate chips
- C. sugar
- **D.** oven electricity
- 77. All costs related to the manufacturing function in a company are
- A. prime costs.
- B. direct costs.
- C. product costs.
- D. conversion costs.

78. Prime cost consists of

direct material		direct labor	overhead
A. no	yes	no	
<u>B.</u> yes	yes	no	
C. yes	no	yes	
D. no	yes	yes	

79. Plastic used to manufacture dolls is a

prime cost		product cost		direct cost	fixed cost	
A. no	yes	yes	yes			
B. yes	no	yes	no			
C. yes	yes	no	yes			
D. yes	yes	yes	no			

- 80. The term "prime cost" refers to
- A. all manufacturing costs incurred to produce units of output.
- B. all manufacturing costs other than direct labor and raw material costs.
- C. raw material purchased and direct labor costs.
- **D.** the raw material used and direct labor costs.
- 81. Conversion of inputs to outputs is recorded in the
- **A.** Work in Process Inventory account.
- B. Finished Goods Inventory account.
- C. Raw Material Inventory account.
- D. both a and b.
- 82. In a perpetual inventory system, the sale of items for cash consists of two entries. One entry is a debit to Cash and a credit to Sales. The other entry is a debit to
- A. Work in Process Inventory and a credit to Finished Goods Inventory.
- B. Finished Goods Inventory and a credit to Cost of Goods Sold.
- C. Cost of Goods Sold and a credit to Finished Goods Inventory.
- D. Finished Goods Inventory and a credit to Work in Process Inventory.
- 83. The formula to compute cost of goods manufactured is
- A. beginning Work in Process Inventory plus purchases of raw material minus ending Work in Process Inventory.
- **<u>B.</u>** beginning Work in Process Inventory plus direct labor plus direct material used plus overhead incurred minus ending Work in Process Inventory.
- C. direct material used plus direct labor plus overhead incurred.
- D. direct material used plus direct labor plus overhead incurred plus beginning Work in Process Inventory.
- 84. The final figure in the Schedule of Cost of Goods Manufactured represents the
- A. cost of goods sold for the period.
- B. total cost of manufacturing for the period.
- C. total cost of goods started and completed this period.
- **D.** total cost of goods completed for the period.

- 85. The formula for cost of goods sold for a manufacturer is
 A. beginning Finished Goods Inventory plus Cost of Goods Manufactured minus ending Finished Goods Inventory.
 B. beginning Work in Process Inventory plus Cost of Goods Manufactured minus ending Work in Process Inventory.
 C. direct material plus direct labor plus applied overhead.
 D. direct material plus direct labor plus overhead incurred plus beginning Work in Process Inventory.
- 86. Which of the following replaces the retailing component "Purchases" in computing Cost of Goods Sold for a manufacturing company?
- A. direct material used
- **B.** cost of goods manufactured
- C. total prime cost
- D. cost of goods available for sale
- 87. Costs that are incurred to preclude defects and improper processing are:
- A. prevention costs
- B. detection costs
- C. appraisal costs
- D. failure costs
- 88. Costs that are incurred for monitoring and inspecting are:
- A. prevention costs
- B. detection costs
- C. appraisal costs
- D. failure costs
- 89. Costs that are incurred when customers complain are:
- A. prevention costs
- B. detection costs
- C. appraisal costs
- **D.** failure costs

90. Mitchell Company

The following information has been taken from the cost records of Mitchell Company for the past year:

Raw material used in production	\$326
Total manufacturing costs charged to production during the year (includes direct material, direct labor, and overhead equal to	686
60% of direct labor cost)	
Cost of goods available for sale	826
Selling and Administrative expenses	25

<u>Inventories</u>	Beginning	Ending
Raw Material	\$75	\$ 85
Work in Process	80	30
Finished Goods	90	110

Refer to Mitchell Company. The cost of raw material purchased during the year was

A. \$316.

B. \$336.

C. \$360.

D. \$411.

91. Mitchell Company

The following information has been taken from the cost records of Mitchell Company for the past year:

Raw material used in production	\$326
Total manufacturing costs charged to production during the year (includes direct material, direct labor, and overhead equal to	686
60% of direct labor cost)	
Cost of goods available for sale	826
Selling and Administrative expenses	25

Inventories	Beginning	Ending
Raw Material	\$75	\$ 85
Work in Process	80	30
Finished Goods	90	110

Refer to Mitchell Company. Direct labor cost charged to production during the year was

A. \$135.

B. \$216.

C. \$225.

D. \$360.

92. Mitchell Company

The following information has been taken from the cost records of Mitchell Company for the past year:

Raw material used in production	\$326
Total manufacturing costs charged to production during the year (includes direct material, direct labor, and overhead equal to	686
60% of direct labor cost)	
Cost of goods available for sale	826
Selling and Administrative expenses	25

<u>Inventories</u>	Beginning	Ending
Raw Material	\$75	\$ 85
Work in Process	80	30
Finished Goods	90	110

Refer to Mitchell Company. Cost of Goods Manufactured was

A. \$636.

В. \$716.

<u>C.</u> \$736.

D. \$766.

93. Mitchell Company

The following information has been taken from the cost records of Mitchell Company for the past year:

Raw material used in production	\$326
Total manufacturing costs charged to production during the year (includes direct material, direct labor, and overhead equal to	686
60% of direct labor cost)	
Cost of goods available for sale	826
Selling and Administrative expenses	25

Inventories	Beginning	Ending
Raw Material	\$75	\$ 85
Work in Process	80	30
Finished Goods	90	110

Refer to Mitchell Company. Cost of Goods Sold was

A. \$691.

B. \$716.

C. \$736.

D. \$801.

94. Davis Company.

Davis Company manufactures wood file cabinets. The following information is available for June 2008:

	<u>Beginning</u>	<u>Ending</u>
Raw Material Inventory	\$ 6,000	\$ 7,500
Work in Process Inventory	17,300	11,700
Finished Goods Inventory	21,000	16,300

Refer to Davis Company. Direct labor is \$9.60 per hour and overhead for the month was \$9,600. Compute total manufacturing costs for June, if there were 1,500 direct labor hours and \$21,000 of raw material was purchased.

A. \$58,500

B. \$46,500

C. \$43,500

D. \$43,100

95. Davis Company.

Davis Company manufactures wood file cabinets. The following information is available for June 2008:

	Beginning	Ending
Raw Material Inventory	\$ 6,000	\$ 7,500
Work in Process Inventory	17,300	11,700
Finished Goods Inventory	21,000	16,300

Refer to Davis Company. Direct labor is paid \$9.60 per hour and overhead for the month was \$9,600. What are prime costs and conversion costs, respectively if there were 1,500 direct labor hours and \$21,000 of raw material was purchased?

A. \$29,100 and \$33,900

B. \$33,900 and \$24,000

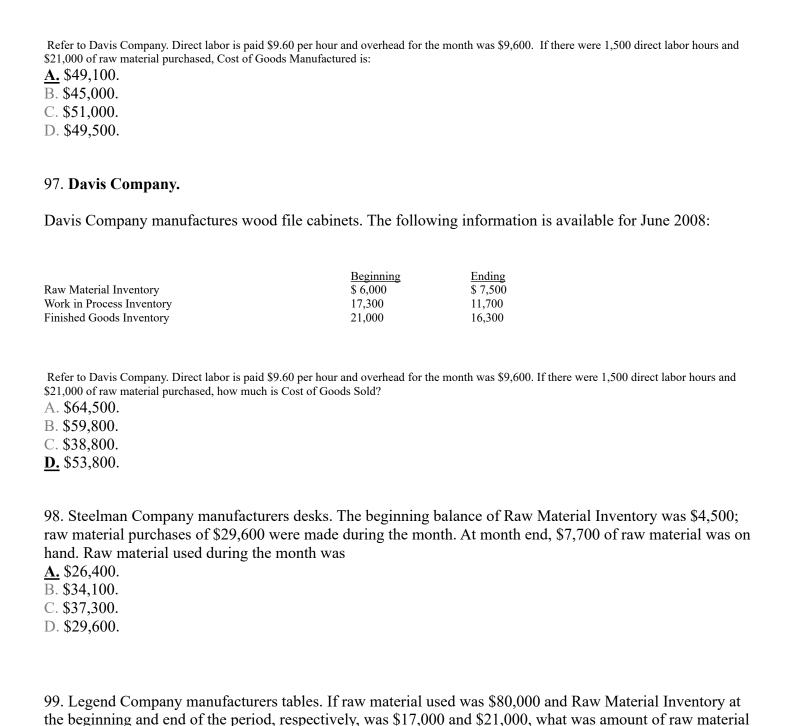
C. \$33,900 and \$29,100

D. \$24,000 and \$33,900

96. Davis Company.

Davis Company manufactures wood file cabinets. The following information is available for June 2008:

	Beginning	<u>Ending</u>
Raw Material Inventory	\$ 6,000	\$ 7,500
Work in Process Inventory	17,300	11,700
Finished Goods Inventory	21,000	16,300



was purchased?
A. \$76,000
B. \$118,000
C. \$84,000
D. \$101,000

100. Morris Company manufacturers computer stands. What is the beginning balance of Finished Goods Inventory if Cost of Goods Sold is \$107,000; the ending balance of Finished Goods Inventory is \$20,000; and Cost of Goods Manufactured is \$50,000 less than Cost of Goods Sold?

A. \$70,000

B. \$77,000

C. \$157,000

D. \$127,000

101. Long Enterprises

Inventories: March 1 March 31 Raw material \$18,000 \$15,000 Work in process 9,000 6,000 Finished goods 27,000 36,000 Additional information for March: Raw material purchased \$42,000 Direct labor payroll 30,000 Direct labor rate per hour 7.50 Overhead rate per direct labor hour 10.00

Refer to Long Enterprises. For March, prime cost incurred was

A. \$75,000.

B. \$69,000.

C. \$45,000.

D. \$39,000.

102. Long Enterprises

<u>Inventories</u> :	March 1	March 31
Raw material	\$18,000	\$15,000
Work in process	9,000	6,000
Finished goods	27,000	36,000
Additional information for March:		
Raw material purchased	\$42,000	
Direct labor payroll	30,000	
Direct labor rate per hour	7.50	
Overhead rate per direct labor hour	10.00	

Refer to Long Enterprises. For March, conversion cost incurred was

A. \$30,000.

B. \$40,000.

<u>C.</u> \$70,000.

D. \$72,000.

103. Long Enterprises

 Inventories:
 March 1
 March 31

 Raw material
 \$18,000
 \$15,000

 Work in process
 9,000
 6,000

 Finished goods
 27,000
 36,000

 Additional information for March:
 515,000
 36,000

Raw material purchased\$42,000Direct labor payroll30,000Direct labor rate per hour7.50Overhead rate per direct labor hour10.00

Refer to Long Enterprises. For March, Cost of Goods Manufactured was

A. \$118,000.

B. \$115,000.

C. \$112,000.

D. \$109,000.

104. Define relevant range and explain its significance.

The relevant range is that range of activity over which a variable cost remains constant on a per-unit basis and a fixed cost remains constant in total. Managers can review the various ranges of activity and the related effects on variable cost (per-unit) and fixed cost (in total) to determine how a change in the range will affect costs and, thus, the firm's profitability.

105. Define a variable cost and a fixed cost. What causes changes in these costs? Give two examples of each.

A variable cost is one that remains constant on a per-unit basis but varies in total with changes in activity. Examples of variable costs include direct material, direct labor, and (possibly) utilities. A fixed cost is one that remains constant in total but varies on a per-unit basis with changes in activity. Examples of fixed costs include straight-line depreciation, insurance, and the supervisor's salary.

106. What is the difference between a product cost and a period cost? Give three examples of each. What is the difference between a direct cost and indirect cost? Give two examples of each.

A product cost is one that is associated with making or acquiring inventory. A period cost is any cost other than those associated with making or acquiring products and is not considered inventoriable. Students will have a variety of examples, but direct material, direct labor, and overhead are product costs. Selling and administrative expenses are considered period costs. A direct cost is one that is physically and conveniently traceable to a cost object. Direct material and direct labor are direct costs. An indirect cost is one that cannot be conveniently traced to a cost object. Any type of overhead cost is considered indirect.

107. What are three reasons that overhead must be allocated to products?

Overhead must be allocated because it is necessary to (1) determine full cost, (2) it can motivate managers, and (3) it allows managers to compare alternative courses of action.

108. Why should predetermined overhead rates be used?

Predetermined overhead rates should be used for three reasons: (1) to assign overhead to Work in Process during the production cycle instead of at the end of the period; (2) to compensate for fluctuations in actual overhead costs that have no bearing on activity levels; and (3) to overcome problems of fluctuations in activity levels that have no impact on actual fixed overhead costs.

109. List and explain three types of quality costs.

<u>Prevention costs</u>--incurred to improve quality by precluding product defects and improper processing from occurring.

Appraisal costs--incurred to find mistakes not eliminated through prevention.

Failure costs--can be internal (scrap and rework) or external (costs of returns, warranty costs).

110. Given the following information for Graves Corporation, prepare the necessary journal entries, assuming that the Raw Material Inventory account contains both direct and indirect material.

- a. Purchased raw material on account \$28,500.
- b. Put material into production: \$15,000 of direct material and \$3,000 of indirect material.
- c. Accrued payroll of \$90,000, of which 70 percent was direct and the remainder was indirect.
- d. Incurred and paid other overhead items of \$36,000.
- e. Transferred items costing \$86,500 to finished goods.
- f. Sold goods costing \$71,300 on account for \$124,700.

a.	RM Inventory	28,500	
	A/P		28,500
b.	WIP Inventory	15,000	
	Manufacturing OH	3,000	10.000
	RM Inventory		18,000
c.	WIP Inventory	63,000	
d.	Manufacturing OH Salaries/Wages Payable		90,000
u.	Manufacturing OH Cash	30,000	36,000
e.	FG Inventory	86,500	,
	WIP Inventory		86,500
f.	A/R	124,700	
	Sales		124,700
	CGS	71,300	
	FG Inventory		71,300

111. Prepare a Schedule of Cost of Goods Manufactured (in good form) for the Chandler Company from the following information for June 20X8:

Inventories	Beginning	Ending
Raw Material	\$ 6,700	\$ 8,900
Work in Process	17,700	22,650
Finished Goods	29,730	19,990

Additional information: purchases of raw material were \$46,700; 19,700 direct labor hours were worked at \$11.30 per hour; overhead costs were \$33,300.

Chandler Company

Schedule of Cost of Goods Manufactured

For the Month Ended June 30, 20X8

Work in Process (June 1)			\$ 17,700
Raw Mat. (June 1)	\$ 6,700		
Purchases	46,700		
Raw Mat. Available	53,400		
Raw Mat. (June 30)	<u>(8,900)</u>		
Raw Mat. Used		\$ 44,500	
Direct Labor (19,700 ' \$11.30)		222,610	
Manufacturing Overhead		33,300	
Total Manufacturing Costs			300,410
Total Goods in Process			\$318,110
Work in Process (June 30)			(22,650)
Cost of Goods Manufactured			\$295,460

112. In June 20X8, the Evans Company has Cost of Goods Manufactured of \$296,000; beginning Finished Goods Inventory of \$29,730; and ending Finished Goods Inventory of \$19,990. Prepare an income statement in good form. (Ignore taxes.) The following additional information is available:

Selling Expenses	\$ 40,500
Administrative Expenses	19,700
Sales	475,600

Evans

Company

Income

Statement

For the

Month

Ended

June 30,

20X8

Sales \$475,600

Cost of

Goods Sold:

Finished \$ 29,730

Goods (June

1) Cost of

296,000

Goods Mf'd

Total Goods \$325,730

Available

Finished <u>(19,990)</u>

Goods (June

30)

Cost of Goods Sold (305,740)

Gross \$169,860

Margin

Operating

Expenses:

Selling \$40,500 Administrative 19,700

Total (60,200)

Operating

Expenses

Income from \$109,660 operations

113. The following information is for the Cameron Manufacturing Company for November.

<u>Inventories</u>	Beginning	Ending
Raw Material	\$17,400	\$13,200
Work in Process	31,150	28,975
Finished Goods	19.200	25,500

Direct Labor (21,000 DLH @ \$13)

Raw Material Purchases	\$120,000	Insurance-Office	2,570
Indirect Labor	11,200	Office Supplies Expense	900
Factory Supplies Used	350	Insurance-Factory	1,770
Other Expenses:		Depr. Office Equipment	3,500
DeprFactory Equipment	17,300	Repair/Maintenance-Factory	7,400

Calculate total manufacturing costs, cost of goods manufactured, and cost of goods sold.

Manufacturing Costs:		
Raw Material (Nov. 1)	\$ 17,400	
Purchases	120,000	
Raw Material Available	\$137,400	
Raw Material (Nov. 30)	<u>(13,200)</u>	
Raw Material Used		\$124,200
Direct Labor (21,000 ' \$13)		273,000
Overhead:		
DeprFactory Equipment	\$17,300	
Repairs/Maintenance-Factory	7,400	
Indirect Labor	11,200	
Insurance-Factory	1,770	
Factory Supplies Used	350	
Total Overhead		_38,020
Total Manufacturing Costs		\$435,220
Cost of Goods Manufactured:		
Total Manufacturing Costs	\$435,220	
Work in Process (Nov. 1)	31,150	
Work in Process (Nov. 30)	<u>(28,975)</u>	
Cost of Goods Manufactured	<u>\$437,395</u>	
Cost of Goods Sold:		
Finished Goods (Nov. 1)	\$ 19,200	
Cost of Goods Manufactured	<u>437,395</u>	
Total Goods Available	\$456,595	
Finished Goods (Nov. 30)	<u>(25,500)</u>	
Cost of Goods Sold	<u>\$431,095</u>	

114. From the following information for the Seabrook Company, compute prime costs and conversion costs.

Inventories	<u>Beginning</u>	<u>Ending</u>
Raw Material	\$ 9,900	\$ 7,600
Work in Process	44,500	37,800
Finished Goods	36,580	61,300

Raw material purchased during the period cost \$40,800; overhead incurred and paid or accrued for the period was \$21,750; and 23,600 direct labor hours were incurred at a rate of \$13.75 per hour.

\$ 9,900	
40,800	
\$50,700	
<u>(7,600)</u>	
	\$ 43,100
(23,600 ′ \$13.75)	324,500
	<u>\$367,600</u>
	\$324,500
	21,750
	\$346,250
	40,800 \$50,700 (7,600)

115. The following miscellaneous data has been collected for a manufacturing company for the most recent year-end:

Inventories:	Beginning	Ending
Raw material	\$50,000	\$55,000
Work in process	40,000	45,000
Finished goods	60,000	50,000
Costs recorded during the year:		
Purchases of raw material	\$195,000	
Direct labor	150,000	
Cost of goods sold	595,000	

Required: Prepare a cost of goods manufactured statement showing how all unknown amounts were determined.

BEGIN WIP + DM (1) + DL + OH - END WIP = COGM (2)		\$ 40,000 190,000 150,000 ? (45,000) \$585,000	= \$250,000
(1)	BEG RM + PURCHASE - END RM = DM	\$ 50,000 195,000 (55,000) \$190,000	
(2)	BEGIN FG + COGM - END FG = COGS	\$ 60,000 ? (50,000) \$595,000	= \$585,000

116. The following information was taken from the records of the Beaumont Corporation for the month of July. (There were no inventories of work in process or finished goods on July 1.)

	<u>Units</u>	Cost	
Sales during month		\$?	
Manuf acturir			
g costs for month			
monu	Direct material		32,000
	Direct labor		20,000
	Overhead costs applied		15,000
	Overhead costs under-applied		800
Invent ories, July 31:			
31.	Work in process	1,000	?
	Finished goods	2,000	?

Indirect manufacturing costs are applied on a direct labor cost basis. The under-applied balance is due to seasonal variations and will be carried forward. The following cost estimates have been submitted for the work in process inventory of July 31: material, \$3,000; direct labor, \$2,000.

Required:

- a. Determine the number of units that were completed and transferred to finished goods during the month.
- b. Complete the estimate of the cost of work in process on July 31.
- c. Compute cost of goods manufactured for the month.
- d. Determine the cost of each unit completed during the month.
- e. Determine the total amount debited to the Overhead Control accounts during the month.

```
8,000 SOLD + 2,000 ENDING FG
a.
        = 10,000 UNITS
         DM
                                                    $3,0
b.
                                                    00
         DC
                                                    2,00
                                                    =$15, ' $2,000
\(\frac{1,50}{000/\$}\)
         OH
                                                    <u>0</u> 20,00
                                                        0
                                                    \frac{\$6,5}{\underline{00}}
         DM
                                                    $32,000
c.
         DL
                                                    20,000
        OH
                                                    15,000
         - END WIP
                                                    (6,500)
         = COGM
                                                    $60,500
                                                    \frac{\$}{60,5} = $6.05/UNIT
        COGM/COMPLETE\ UNITS =
d.
                                                    <u>00</u>
10,0
                                                    00
                                                    UNI
                                                    TS
        OH APPLIED
                                                    $15,
e.
                                                    000
         + OH UNDERAPPLIED
                                                    ___8
                                                    <u>00</u>
         ACTUAL OH
                                                    $15,
                                                    800
```

117. The Sherwood Groves Corporation had the following account balances:

Raw Material	Manufact				
	uring				
	uring Overhead				
Bal. 1/1	30,000	?		385,000	?
	420,000				
Bal. 12/31	60,000				

Work in Process	Fact							
	ory							
	Wag							
	es							
	Pay							
	able							
Bal. 1/1	70,00		810,000		179, I	10 000		
Direct material	0				000 a	10,000 175,000		
	320,0				1	173,000		
	00					1		
					/	,		
					1	1	1	
Direct labor	110,0							
Overhead	00 400,0					PC 000	1	
Overnead	00,0					6,000		
					1			
]		
						·		
					3	3		
					1	1	1	
Bal. 12/31	?							,
		7						
Finished Goods	C							
	os	5						
	t							
	of	!						
	G							
	oo							
	ds							
	us	"						

		ol				
		d				
		40, 00 0	?		?	
Ì		?				
		13 0,0 00				
	_					

Required:

- What was the cost of raw material put into production during the year?
- How much of the material from question 1 consisted of indirect material? b.
- How much of the factory labor cost for the year consisted of indirect labor?
- What was the cost of goods manufactured for the year? d.
- e. What was the cost of goods sold for the year (before considering under- or overapplied overhead)?
- If overhead is applied to production on the basis of direct material, what rate was in effect during the year? f.
- Was manufacturing overhead under- or overapplied? By how much?
- g. h. Compute the ending balance in the Work in Process Inventory account. Assume that this balance consists entirely of goods started during the year. If \$32,000 of this balance is direct material cost, how much of it is direct labor cost? Manufacturing overhead cost?

- a. \$30,000 + \$420,000 \$60,000 = \$390,000
- b. \$390,000 \$320,000 DM = \$70,000
- c. \$175,000 \$110,000 DL = \$65,000
- d. \$810,000
- e. \$40,000 + \$810,000 \$130,000 = \$720,000
- f. \$400,000/\$320,000 = 125% DM Cost
- $\begin{array}{c} \text{g.} & \text{OH Actual} & \$385,000 \\ & \text{OH Applied} & \underline{400,000} \\ & \text{OH Overapplied} & \$15,000 \end{array}$
- Beginning WIP DM \$32,000 \$ 70,000 h. + DM DL (To Balance) 18,000 320,000 + DC 110,000 FOH (1) 40,000 + OH End WIP \$90,000 400,000

- Ending WIP (90,000)

= COGM \$\$810,000 (1) \$32,000 s' 125% = \$40,000