Name: _____ **Class:** _____ **Date:** _____ **ID: A**

Manufacturing

Multiple Choice
Identify the choice that best completes the statement or answers the question.

___ 1. The prime cost per item is dependent upon the material and labor costs.

Prime Cost per Item = Direct Material Cost per Item + Direct Labor Cost per Item

Widget	Cost per Unit	Items per Unit	Direct Material Cost per Item	Labor Cost per Hour	Units per Hour	Direct Labor Cost per Item	Prime Cost per Item
1	$150.72	16		$26.91	26		
2	370.56	48		23.86	159		
3	394.80	40		36.86	170		
4	27.83	11		9.92	370		

Which widget, to the nearest cent, has a direct labor cost per item of $0.15?

a. widget 3
b. widget 4
c. widget 1
d. widget 2

___ 2. The prime cost per item is dependent upon the material and labor costs.

Prime Cost per Item = Direct Material Cost per Item + Direct Labor Cost per Item

Widget	Cost per Unit	Items per Unit	Direct Material Cost per Item	Labor Cost per Hour	Units per Hour	Direct Labor Cost per Item	Prime Cost per Item
1	$101.65	19		$32.27	271		
2	11.58	6		29.11	153		
3	149.94	34		13.43	285		
4	139.02	14		36.61	306		

Which widget, to the nearest cent, has a prime cost per item of $2.12?

a. widget 2
b. widget 4
c. widget 3
d. widget 1

___ 3. The prime cost per item is dependent upon the material and labor costs.

Prime Cost per Item = Direct Material Cost per Item + Direct Labor Cost per Item

Widget	Cost per Unit	Items per Unit	Direct Material Cost per Item	Labor Cost per Hour	Units per Hour	Direct Labor Cost per Item	Prime Cost per Item
1	$196.56	39		$33.85	249		
2	9.28	4		35.58	299		
3	413.55	45		34.54	29		
4	346.39	47		21.59	252		

Which widget, to the nearest cent, has a direct material cost per item of $9.19?

a. widget 3
b. widget 1
c. widget 2
d. widget 4

___ 4. The prime cost per item is dependent upon the material and labor costs.

Prime Cost per Item = Direct Material Cost per Item + Direct Labor Cost per Item

Widget	Cost per Unit	Items per Unit	Direct Material Cost per Item	Labor Cost per Hour	Units per Hour	Direct Labor Cost per Item	Prime Cost per Item
1	$58.50	39		$39.60	174		
2	1.26	7		15.02	49		
3	164.00	20		13.99	85		
4	19.50	15		24.66	57		

Which widget, to the nearest cent, has a direct material cost per item of $0.18?

a. widget 1
b. widget 4
c. widget 2
d. widget 3

Numeric Response

5. The prime cost per item is dependent upon the material and labor costs.

Prime Cost per Item = Direct Material Cost per Item + Direct Labor Cost per Item

Jose is a machine operator at the Custard's Last Can Company which stamps labels on metal sheets that later become cans. Each sheet can make 116 cans, and the cost per sheet is $13.24. If Jose is paid $12.45 per hour and can stamp 103 sheets every hour, what is the prime cost of labeling each can? Express your answer as a dollar amount to the nearest cent.

6. The prime cost per item is dependent upon the material and labor costs.

   Prime Cost per Item = Direct Material Cost per Item + Direct Labor Cost per Item

   Jose is a machine operator at the Cat's Meow Can Company which stamps labels on metal sheets that later become cans. Each sheet can make 102 cans, and the cost per sheet is $13.71. If Jose is paid $14.55 per hour and can stamp 123 sheets every hour, what is the prime cost of labeling each can? Express your answer as a dollar amount to the nearest cent.

7. The prime cost per item is dependent upon the material and labor costs.

   Prime Cost per Item = Direct Material Cost per Item + Direct Labor Cost per Item

   Kado is a machine operator at the Custard's Last Can Company which stamps labels on metal sheets that later become cans. Each sheet can make 114 cans, and the cost per sheet is $14.54. If Kado is paid $11.01 per hour and can stamp 135 sheets every hour, what is the prime cost of labeling 85 cans? Express your answer as a dollar amount to the nearest cent.

8. The prime cost per item is dependent upon the material and labor costs.

   Prime Cost per Item = Direct Material Cost per Item + Direct Labor Cost per Item

   Marty is a machine operator at the Cannery Can Company which stamps labels on metal sheets that later become cans. Each sheet can make 118 cans, and the cost per sheet is $12.87. If Marty is paid $13.38 per hour and can stamp 103 sheets every hour, what is the prime cost of labeling 8 cans? Express your answer as a dollar amount to the nearest cent.

Manufacturing
Answer Section

MULTIPLE CHOICE

1. ANS: D PTS: 1
2. ANS: A PTS: 1
3. ANS: A PTS: 1
4. ANS: C PTS: 1

NUMERIC RESPONSE

5. ANS: 0.12

   PTS: 1
6. ANS: 0.14

   PTS: 1
7. ANS: 10.90

   PTS: 1
8. ANS: 0.88

   PTS: 1