Name Tutt - Key Period Date

Bundle 9 and 10 Test Review
Bring to Class for Review: Monday Feb. 12th
Due on Test Day: Tuesday Feb.13th

1. Samantha plotted a point to represent the ordered pair (5, 3). Which statement describes the process Samantha used to graph this point on the coordinate plane?

   A. She located the point 5 units up from the origin and 3 units to the right.
   B. She located the point 3 units to the left of the origin and 5 units up.
   C. She located the point 5 units to the right of the origin and 3 units up.
   D. She located the point 3 units to the left of the origin and 5 units up.

2. Which table could represent the equation y = 3x? 3 times X

A.

x	y
3	1
6	2
15	5
18	6

B.

x	y
1	1
3	3
5	5
7	7

C.

x	y
1	3
3	9
4	12
7	21

D.

x	y
1	3
4	9
6	12
7	18

3. The table uses the rule y = x + 7

y=1+7 y=2+7 y=3+7

Input	x	1	2	3
Output	y	■	■	■

8 9 10 y

Which set of numbers correctly completes the output values in the table?

A. 8, 9, 10
B. 7, 14, 21
C. 8, 10, 12
D. 6, 5, 4

4. Mark uses the pattern rule $I = 6b$ to generate the first three terms in the pattern.

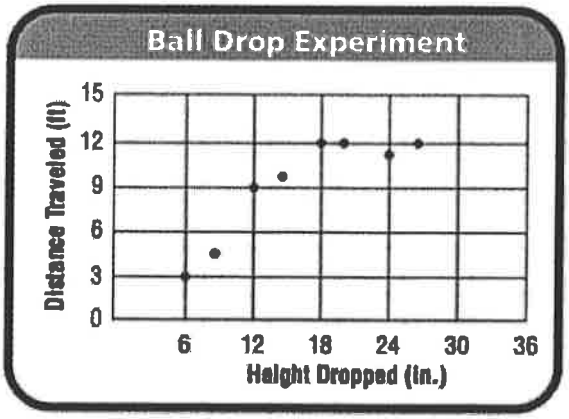
Beetles	b	1	2	3	4
Legs	l	6	12	18	■

4x6=24

What is the value of the missing number?

A. 32
B. 22
C. 24
D. 16

5. Which best describes the scatterplot?



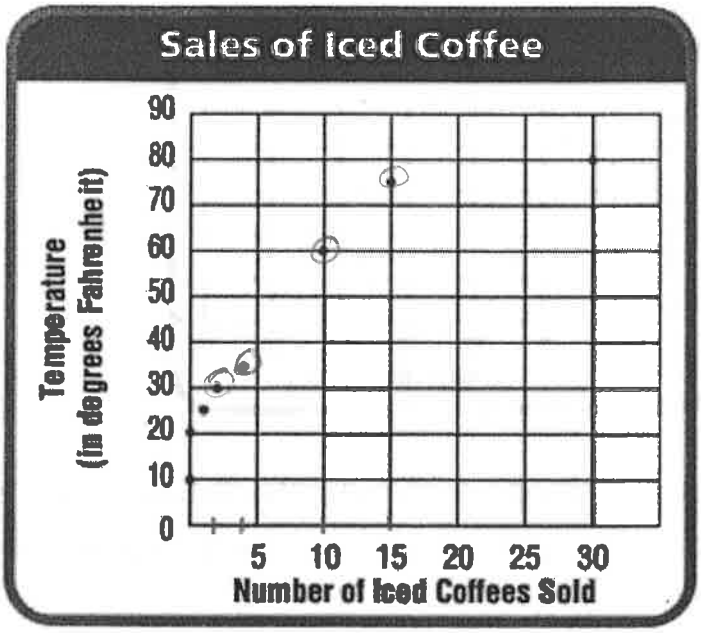
A. The farther the ball travels, the shorter the distance it was dropped from.

B. The shorter the distance the ball travels, the greater the height it was dropped from.

C. The greater the height the ball is dropped from, the farther it travels.

D. The height the ball is dropped from does not affect the distance it travels.

Use the scatter plot to answer questions 6-7.



10 + 15 = 25

6. How many more iced coffees are sold when the temperature is 60 and 75 degrees Fahrenheit compared to 30 and 35 degrees Fahrenheit?

2 + 4 = 6

A. 25
B. 10
C. 19
D. 15

25
- 6
19

7. Which of the following ordered pairs could represent the number of coffees sold on a very hot day?

A. (25, ~~25~~) Not Hot
B. (~~1~~, 90) (would sell more on a hot day)
C. (1, ~~45~~) Not Hot
D. (25, 90)

(#sold, Temp)

8. The x-coordinate in the table represents the number of cheeseburgers and the y-coordinate represents the number of thin slices of tomatoes used to make each number of cheeseburgers.

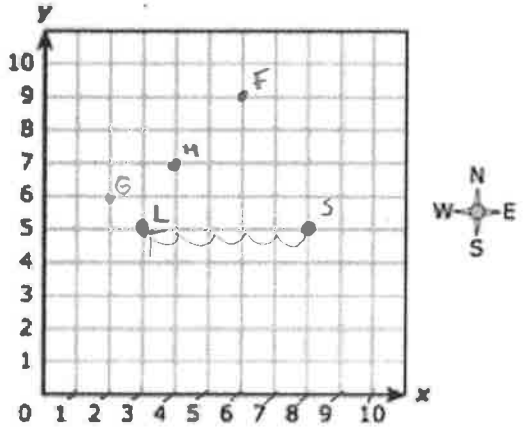
X	Number of Cheeseburgers	1 x 2	2 x 2	3 x 2	4 x 2
Y	Number of Tomato Slices	2	4	6	8

Write the ordered pair that would represent the point showing the number of tomato slices in 4 cheeseburgers?

(4, 8)

9. The ordered pairs below represent the location of 4 buildings.

Grocery Store (2,6)
Museum (4,7)
School (8,5)
Fire Station (6,9)



The Public Library is located at (3,5). Based on this information, which statement is true?

A. The Public Library is located 4 units north and 4 units east from the Fire Station .

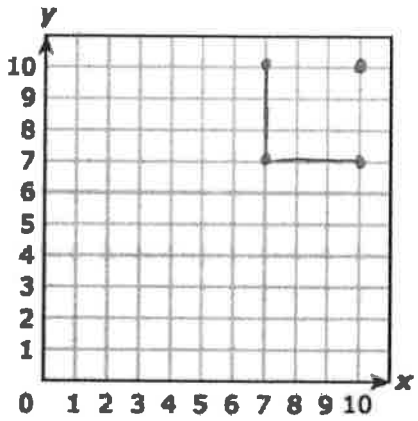
B. The Public Library is located 1 unit east and 3 units north from the Grocery Store.

C. The Public Library is located 2 units west and 1 unit south from the Museum.

D. The Public Library is located 5 units west from the School. ✓

10. The ordered pairs below represent 3 vertices of a square.

(7,10) (7,7) (10,7)



What is the ordered pair that represents the fourth vertex of this square?

(10, 10)

11. Marcus was asked to plot the point (7, 5) on a coordinate grid. Which of the following statements is true about this point?

x y

A. 7 is the number of units up on the ~~y axis~~.

B. 5 is the number of units to the right on the ~~x axis~~.

C. 5 is the input value of the ordered pair.

D. 7 is the input value of the ordered pair. ✓

12. Examine the following input output table. Which statement is true about the number pattern represented in this table?

Input x	4 (-3)	8 (-3)	7 (-3)	10 (-3)
Output y	1	5	4	7

A. The pattern is multiplicative.
B. The pattern is additive.
C. The rule is x = y - 3
D. The rule is y = x + 3

$y = x - 3$

13. Which list of numbers would complete the following table to make the pattern multiplicative?

Input	0	4 (x3)	5 (x3)	6 (x3)
Output	0	12	15	18

A. 5, 6, 7
B. 8, 10, 13
C. 12, 15, 18 (x3)
D. 1, 2, 3

14. Examine the following coordinate grid. Draw an input output table, write the rule or equation, and write whether this is an additive or multiplicative number pattern.

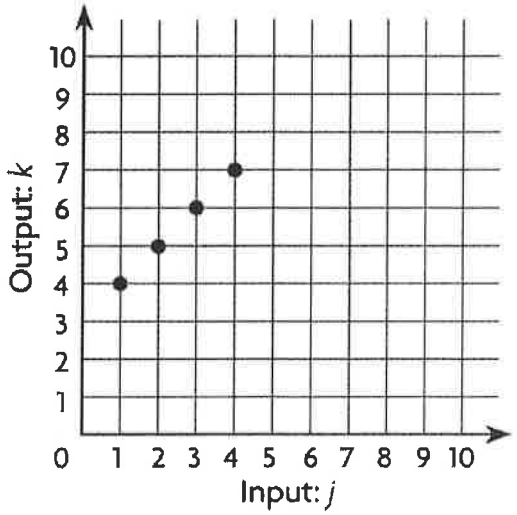


Table:

x	1	2	3	4
y	4	5	6	7

Equation:

$y = x + 3$

Multiplicative or Additive?

15. Leslie painted $\frac{1}{3}$ of a clay pot yellow, $\frac{1}{6}$ of the clay pot blue, and $\frac{2}{5}$ of her clay pot red. How much of her clay pot did she leave unpainted?

$\frac{1}{3} = \frac{2}{6}$ $+ \frac{1}{6}$ $\frac{3}{6}$

$\frac{3}{6} = \frac{15}{30}$ $+ \frac{2}{5} = \frac{12}{30}$ $\frac{27}{30}$

$\frac{30}{30} - \frac{27}{30} = \frac{3}{30} \div \frac{3}{3} = \frac{1}{10}$

16. Which division equation does the following model best represent?

1				1			
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

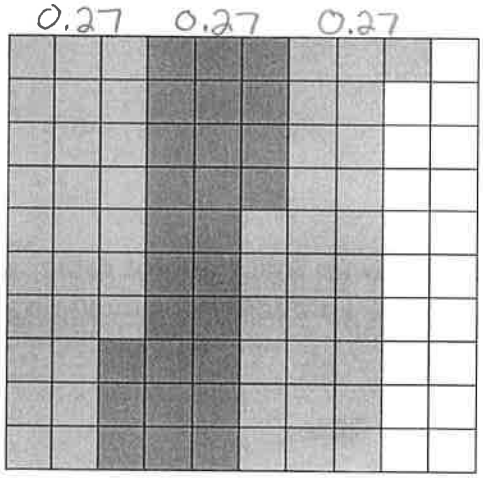
A. $8 \div \frac{1}{4} = 2$

B. $2 \div 8 = 4$

C. $2 \div \frac{1}{4} = 8$

D. $8 \div 2 = \frac{1}{4}$

17. Which equation best represents the following model?



Key: 1 square = 0.01

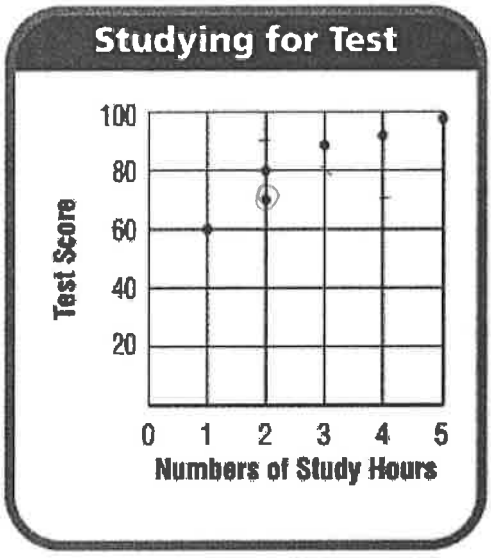
A. 3 x 27 = 81

B. 3 x 2.7 = 8.1

C. 0.27 x 3 = 0.81

D. Not Here

18. David collected data about the number of hours students studied and their scores on a test. The results are shown in the scatter plot. Which ordered pair is represented on the scatterplot?



A. (2, 90)
B. (4, 70)
C. (3, 80)
D. (2, 70)

19. The table below shows data for distances Sally traveled and the amount of days she traveled.

Days Traveled	2	5	3	5	2
Distance (mi)	40	55	60	45	50

Which is the best scale to use for both the x-axis and the y-axis in a scatterplot created to represent the data?

A. 15
B. 10
C. 20
D. 50

20. Lainey has 2 dogs. One of her dogs weighs $52\frac{1}{2}$ pounds and the other dog weighs $36\frac{3}{4}$ pounds. What is the difference in the weights of Lainey's two dogs?

$52\frac{1}{2} = 52\frac{2}{4} = 51\frac{6}{4}$

$-36\frac{3}{4}$ $36\frac{3}{4}$ $-36\frac{3}{4}$

$15\frac{3}{4}$