

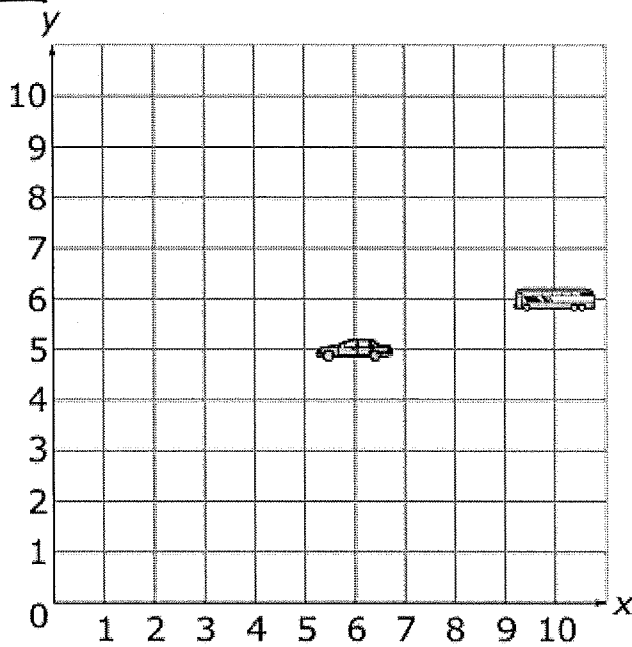
Student:

Class:

Unit 7 Study Guide - MUM

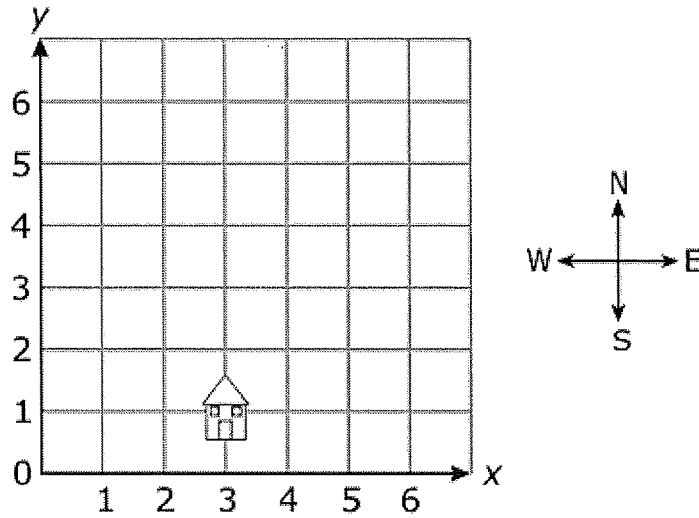
Date:

1. Using the grid below, which describes the path the car could travel to share the same point with the bus?



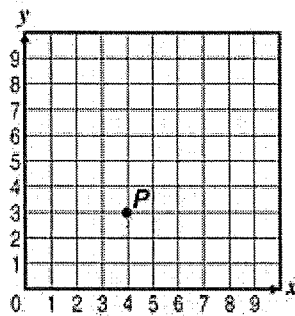
- A. 4 units left, 1 unit up
- B. 4 units left, 1 unit down
- C. 4 units right, 1 unit up
- D. 4 units right, 1 unit down

2. The grid below shows the location of Simon's house. He left his house to go to the library. He walked 3 blocks north, then 3 blocks east, and then 2 blocks south to get to the library.



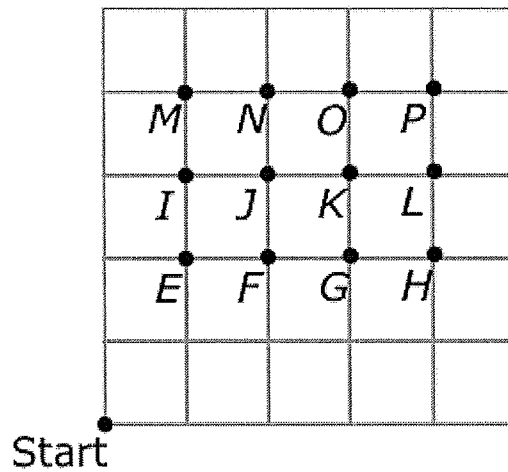
What are the coordinate points of the library?

- A. (0, 2)
 - B. (0, 6)
 - C. (6, 2)
 - D. (6, 6)
3. What are the coordinates for Point *P* on the graph below?



- A. (3, 3)
- B. (3, 4)
- C. (4, 3)
- D. (4, 4)

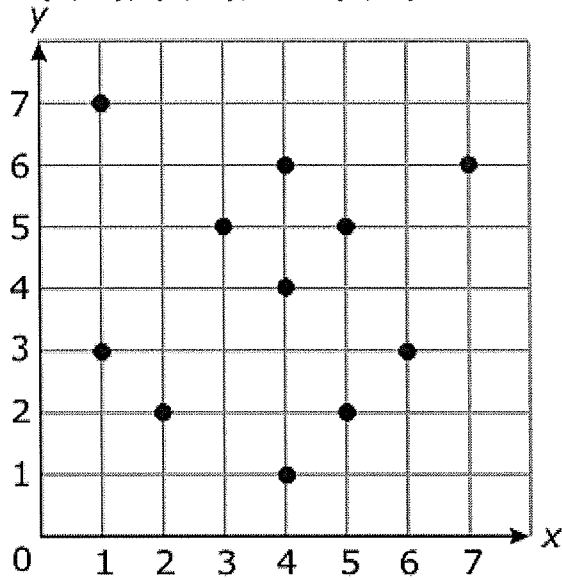
4. A bug begins at Start and crawls right 4, up 4, left 2, and down 1, and then stops.



Where does the bug stop?

- A. point *J*
- B. point *L*
- C. point *N*
- D. point *M*

5. Samantha connected $(1, 3)$, $(1, 7)$, and $(5, 5)$ to make a triangle.



What point is located inside the triangle Samantha created?

- A. $(3, 5)$
- B. $(4, 4)$
- C. $(4, 6)$
- D. $(5, 3)$

6.) Directions: Click on all the correct statements.



Which statements describe this table?

Rectangles	Triangles
1	2
2	4
3	6
4	8

- A) The number of rectangles is always less than the number of triangles.
- B) As the number of rectangles increases by one, the number of triangles always increases by two.
- C) The number of rectangles is always twice the number of triangles.
- D) The number of triangles is always twice the number of rectangles.
- E) The number of triangles is always one more than the number of rectangles.

7.) Leslie's teacher asked the students in her class to keep track of how many fruits they ate for four weeks. Leslie ate 4 apples and 6 oranges each week. Which table shows the total number of apples and oranges Leslie had eaten after each week?

A. FRUIT EATEN BY LESLIE DURING FOUR WEEKS

Weeks	Number of Apples	Number of Oranges
1	4	6
2	6	8
3	8	10
4	10	12

more answer choices on the next page →

B. **FRUIT EATEN BY LESLIE
DURING FOUR WEEKS**

Weeks	Number of Apples	Number of Oranges
1	4	6
2	8	12
3	12	18
4	16	24

C. **FRUIT EATEN BY LESLIE
DURING FOUR WEEKS**

Weeks	Number of Apples	Number of Oranges
1	4	6
2	8	12
3	16	24
4	32	48

D. **FRUIT EATEN BY LESLIE
DURING FOUR WEEKS**

Weeks	Number of Apples	Number of Oranges
1	4	6
2	10	10
3	14	16
4	18	22

8.)

Each classroom in a middle school has 20 desks as shown in the table.

Middle School

Number of Classrooms	Number of Desks
1	20
4	80
7	140
10	200
13	260

X

Y

rule: _____

Which ordered pair follows the rule in the table?

- A. (15, 320)
- B. (15, 300)
- C. (15, 290)
- D. (15, 280)

9.)

Which expression represents dividing 9 by w then adding 5?

A.) $9 \div (w+5)$

C.) $(9+5) \div w$

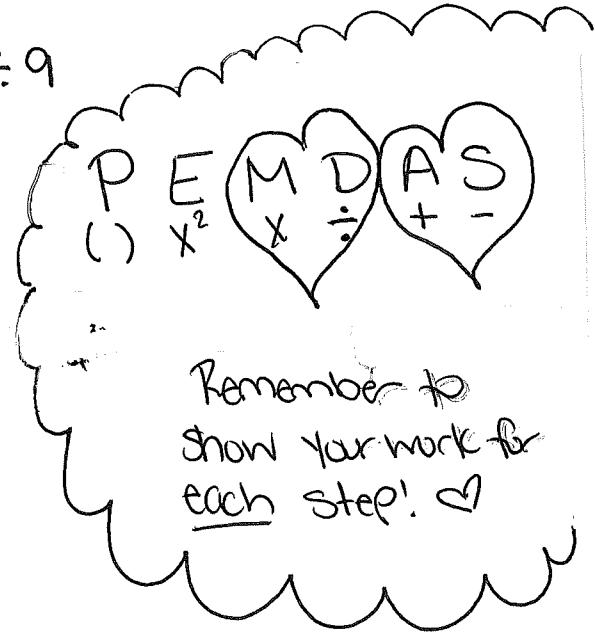
B.) $(9 \div w) + 5$

D.) $5 + w \div 9$

10.) Which number is the value of this expression?

10.) $4 + (16 \div 4) \times 2$

- A. 6
- B. 10
- C. 12
- D. 16



11.)

Allen's mother gave him \$25 toward the purchase of a camera. Allen also saved \$15 from each of his paychecks for 6 weeks. Which expression could be used to find the total amount of money Allen had?

- A. $25 + (15 \times 6)$
- B. $25 + (15 + 6)$
- C. $25 \times (15 + 6)$
- D. $25 \times (15 - 6)$

12.) Which expression is equivalent to the expression "The Product of 7 and 4 plus 15"

- A. $(7+4) \times 15$
- B. $(7 \times 4) - 15$
- C. $(7 \times 4) + 15$
- D. $(7 \div 4) + 15$

13.) Look at the following expression.
 $35 + (52 - 12 + 16) \div 8$

What is the value of the expression?

- A. 11
- B. 42
- C. 56
- D. 60

14.) Sierra had 136 trading cards. She gave away 15 to each of her 3 friends. Which expression shows how many cards Sierra has left?

- A. $136 - (15 \times 3)$
- B. $136 + (15 \times 3)$
- C. $(136 - 15) \times 3$
- D. $(136 + 15) \times 3$

Unit 7 Study Guide Answer Key

1.) C

2.) C

3.) C

4.) A

5.) A

6.) A, B, D

7.) B

8.) B rule: multiply 'x' by 20 = 'y'

9.) B

$$\begin{aligned} 10.) & 4 + (16 \div 4) \times 2 \\ & 4 + 4 \times 2 \\ & 4 + 8 \\ & \boxed{12} \text{ (C)} \end{aligned}$$

~~10.) A~~ 11.) A

12.) C

$$\begin{aligned} 13.) & 35 + (52 - 12 + 16) \div 8 \\ & 35 + (40 + 16) \div 8 \\ & 35 + 56 \div 8 \\ & 35 + 7 \\ & \boxed{42} \text{ (B)} \end{aligned}$$

14.) A