

Performance Indicator: 5.A.2

Translate simple verbal expressions into algebraic expressions—Exercise 1

1. Dori bought 2 boxes of dog treats. Each box held 60 treats. She gives her dog 3 treats each day. Which number sentence shows how to find the number of days the 2 boxes of treats will last?

- A $(60 \times 3) \div 2 = \square$
 B $(60 \div 3) \div 2 = \square$
 C $(60 \times 2) \div 3 = \square$
 D $(60 + 2) \div 3 = \square$

2. The chart shows how much money customers spend at a clothing store.

Money Spent at Clothing Store

Number of Customers	10	20	30	40	50	60
Money Spent	\$200	\$400	\$600	\$800	\$1,000	x

Which expression shows how to find x ?

- A $60 + 50 = x$
 B $60 \times 2 = x$
 C $60 \times 3 = x$
 D $60 \times 20 = x$

3. Groups of children can tour the science museum on field trips. The table shows the number of children that are allowed in 15, 16, and 18 tour groups.

Children Touring Museum

Number of Children	Number of Tour Groups
150	15
160	16
180	18
y	20

Which expression shows how to find y ?

- A $20 \times 2 = y$
 B $20 \times 5 = y$
 C $20 \times 10 = y$
 D $40 + 180 = y$

4. The chart shows the number of questions Mrs. Brown's students asked over a period of time.

Student Questions

Minutes of Class	20	40	60	80	100	120
Number of Questions	6	12	18	24		q

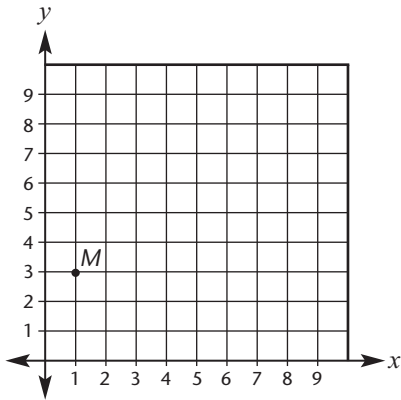
Which expression shows how to find q ?

- A $24 + 6 = q$
 B $24 + 6 + 6 = q$
 C $24 \times 6 = q$
 D $24 \times 2 = q$

Performance Indicator: 5.G.12

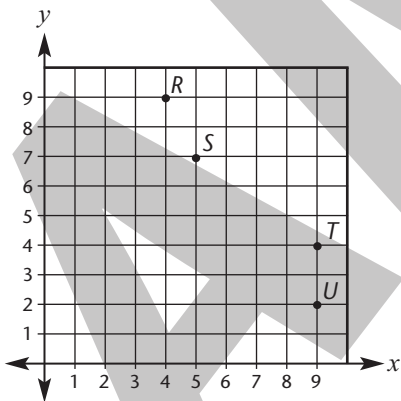
Identify and plot points in the first quadrant—Exercise 2

1. Point *M* best represents which ordered pair?



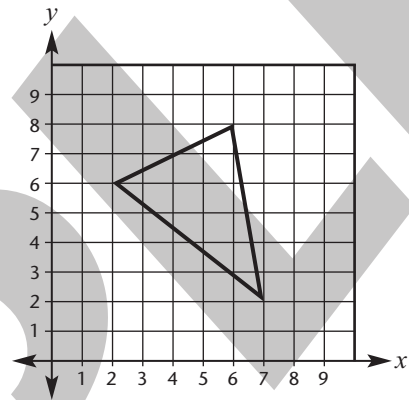
- A (4, 2)
- B (3, 1)
- C (2, 1)
- D (1, 3)

2. Which point *best* represents the ordered pair (9, 4)?



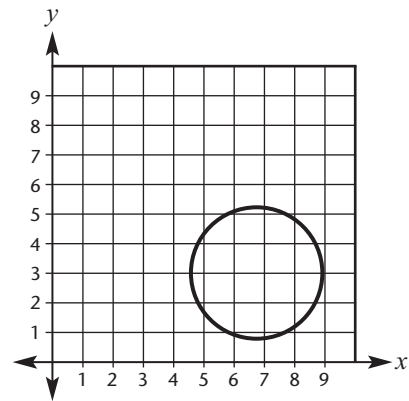
- A *R*
- B *S*
- C *T*
- D *U*

3. Which ordered pair is inside the triangle?



- A (4, 4)
- B (5, 3)
- C (6, 6)
- D (7, 6)

4. Which ordered pair is *not* inside the circle?



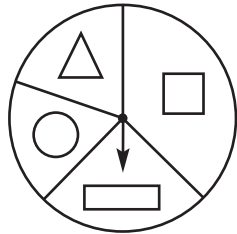
- A (7, 5)
- B (6, 2)
- C (5, 3)
- D (1, 6)

This page may not be reproduced.

Performance Indicator: 5.S.7

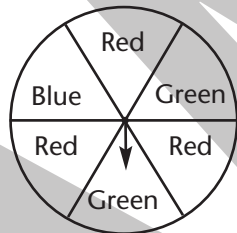
Create a sample space, and determine the probability of a single event, given a simple experiment—Exercise 1

1. In a total of 10 spins, which shape will the spinner probably point to the *greatest* number of times?



- A
- B
- C
- D

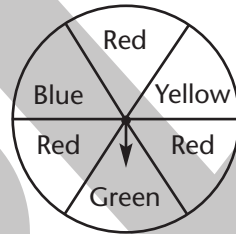
2. Isabel spun the spinner below 30 times.



Based on the spinner's layout, which is the *best* prediction of the results of Isabel's spins?

- A 5 blue, 20 green, 5 red
- B 5 blue, 10 green, 15 red
- C 5 blue, 15 green, 10 red
- D 10 blue, 15 green, 5 red

3. In a total of 15 spins, which color will the spinner probably point to the *greatest* number of times?



- A blue
- B green
- C red
- D yellow

4. A spinner is divided into 4 equal sections. Each section is marked with a circle, a square, or a triangle. The spinner is spun 11 times.

Spinner Results

Shape	Number of Spins

Based on the results shown in the chart, which is the *best* prediction of the number of sections marked with a circle, square, or triangle?

- A 2 circles, 1 square, 1 triangle
- B 1 circle, 1 square, 3 triangles
- C 2 circles, 2 squares, 1 triangle
- D 1 circle, 2 squares, 2 triangles

This page may not be reproduced.