

Name: _____

Class/Period: _____

Assignment: Honors HW #17

Teacher: Fletcher

1 Simplify the expression:

$$\frac{1}{2} \div \frac{-2}{3} \times \frac{3}{4} - \frac{4}{5}$$

1 $\frac{-9}{5}$

2 $\frac{-109}{80}$

3 $\frac{-21}{20}$

4 $\frac{3}{80}$

2 Two whole numbers have a least common multiple of 48.

- Both numbers are greater than 3.
- The greatest common factor of the two numbers is 2.

What are the two numbers?

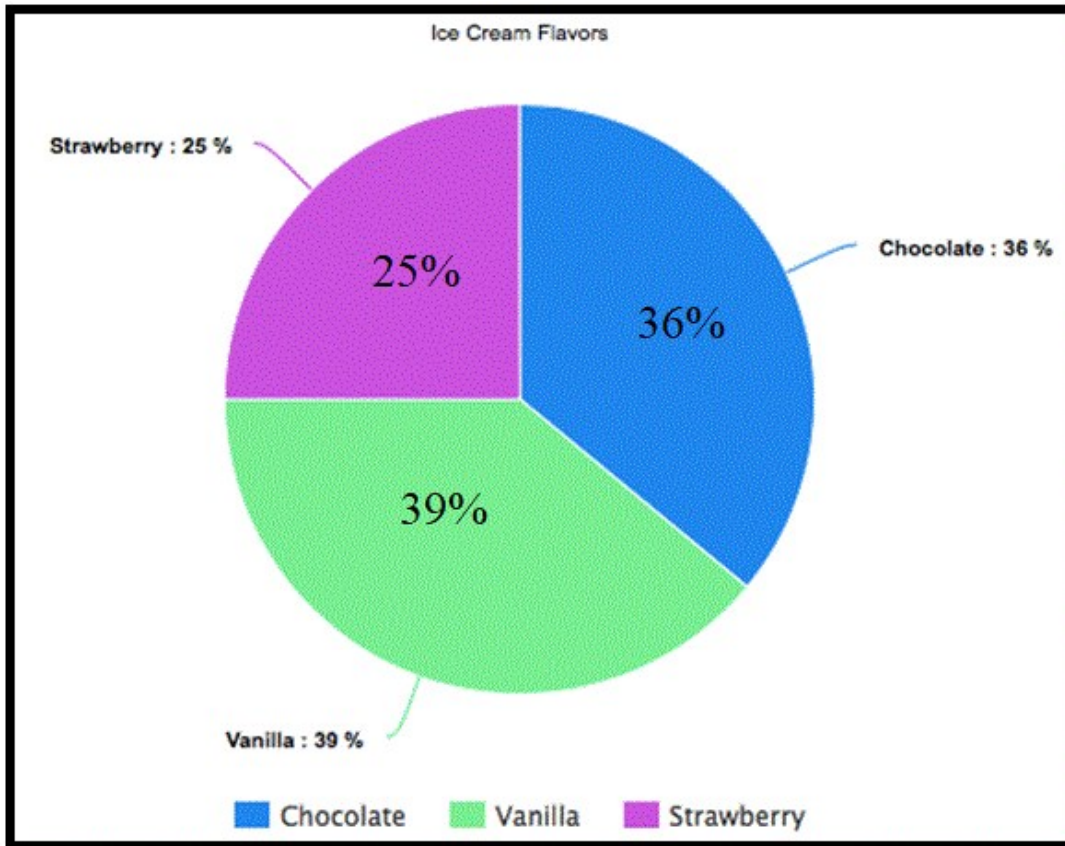
1 3 and 16

2 6 and 8

3 4 and 6

4 6 and 16

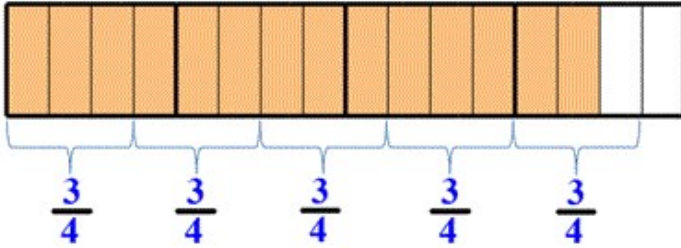
3 The diagram below shows the results of a survey of children and their favorite ice cream flavors.



If 135 children were surveyed, *approximately* how many of them prefer strawberry ice cream?

- 1 25
- 2 34
- 3 49
- 4 53

- 4 The model below represents a division problem.



Which of the following equations is represented by the model?

- 1 $3\frac{1}{2} \div \frac{3}{4} = 4\frac{2}{3}$
- 2 $3\frac{1}{2} \div \frac{3}{4} = 4\frac{1}{3}$
- 3 $\frac{3}{4} \div 3\frac{1}{2} = 4\frac{2}{3}$
- 4 $\frac{3}{4} \div 3\frac{1}{2} = 4\frac{1}{3}$

- 5 The following problem was assigned last night for homework:

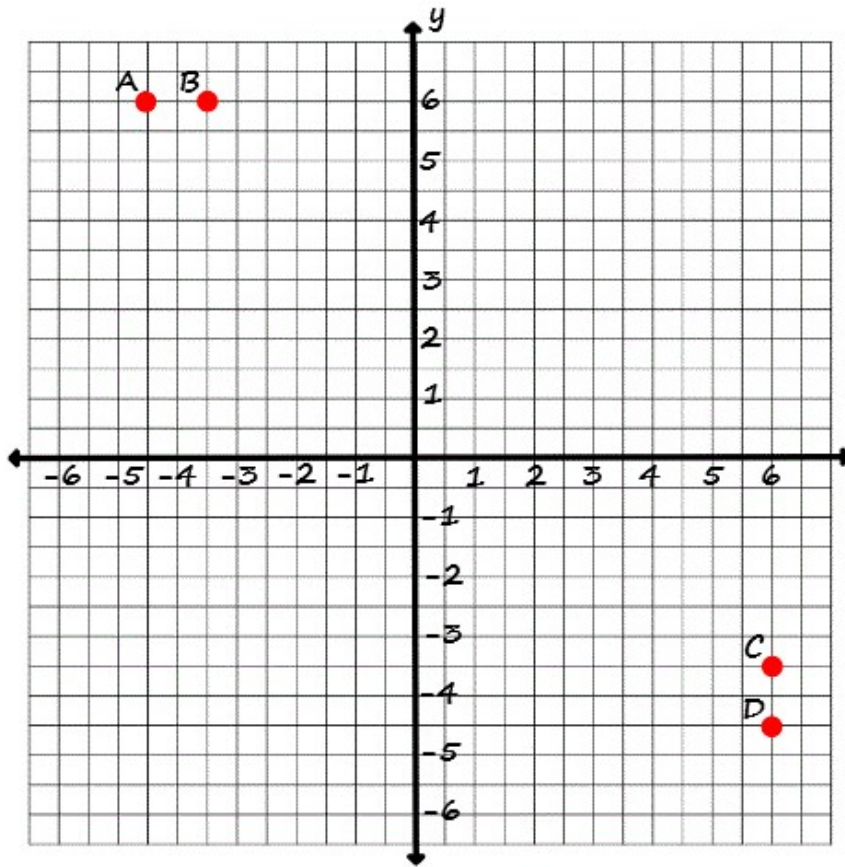
List the following rational numbers in order from least to greatest. Include inequality symbols.

$$-2.7, 0.27, -2.09, -\frac{7}{2}$$

Which student completed the problem correctly?

- 1 Student A: $0.27 < -\frac{7}{2} < -2.7 < -2.09$
- 2 Student B: $-\frac{7}{2} < -2.09 > -2.7 > 0.27$
- 3 Student C: $-\frac{7}{2} < -2.7 < -2.09 < 0.27$
- 4 Student D: $0.27 > -2.09 > -2.7 > -\frac{7}{2}$

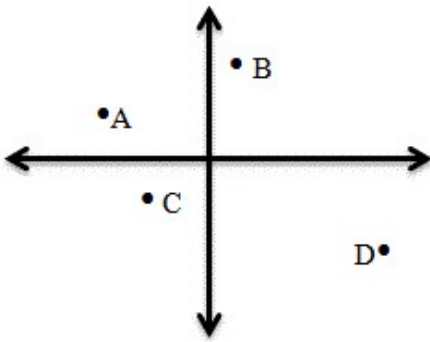
6 Use the graph below to answer the question below.



Which point is the correct location of the ordered pair $(-4\frac{1}{2}, 6)$?

- 1 *A*
- 2 *B*
- 3 *C*
- 4 *D*

- 7 Your teacher plotted a set of coordinates that contained a negative x -coordinate and positive y -coordinate. Which point graphed below could represent the point plotted?



- 1 A
- 2 B
- 3 C
- 4 D

- 8 A full box of cereal contains $12\frac{1}{2}$ cups. Each morning for breakfast Jules eats a serving of cereal that is $1\frac{1}{2}$ cups in size. How many $1\frac{1}{2}$ cup servings are in a full box of cereal? Express your answer as a mixed number.

There are servings in a box of cereal.

- 9 Brent mows his yard in 1.48 hours. It takes his neighbor Curtis 0.7 times the amount of time it takes Brent. How long does it take Curtis to mow his yard?

- 1 1.56 hours
- 2 1.41 hours
- 3 1.036 hours
- 4 2.11 hours

- 10 Find $3.2\overline{)7.712}$

Answer: