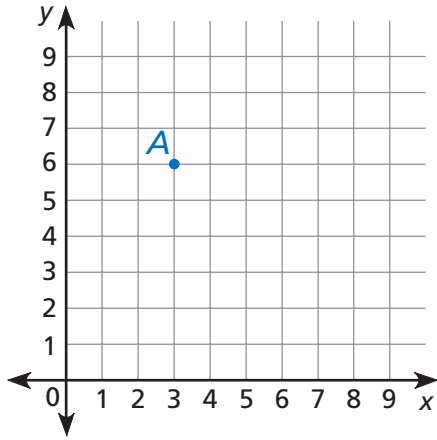


Problem Solving Test Prep

Choose the correct answer.

- 1 Alex moves point A right 3 spaces and down 2 spaces. What is the location of point A after the translation?

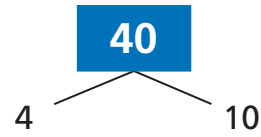


- A. (5,8) C. (1,8)
B. (6,4) D. (6,2)

- 2 Which fraction is greater than $\frac{5}{16}$?

- A. $\frac{3}{8}$ C. $\frac{1}{4}$
B. $\frac{2}{9}$ D. $\frac{6}{20}$

- 3 Which numbers complete the factor tree for the prime factors of 40?



- A. 2, 4, 5
B. 2, 2, 5, 5
C. 2, 2, 2, 2, 5
D. 2, 2, 2, 5

- 4 Which is a true statement for this set of data?

3, 3, 3, 5, 6, 7, 9, 10, 11, 11, 12

- A. mode > median
B. median > mean
C. mean > median
D. mode > mean

Show What You Know

Solve each problem. Explain your answer.

- 5 If you use beans to represent the numbers in the pattern below, how many beans will you use for the first 7 numbers? Explain.

1, 3, 7, 15, 31, . . .

- 6 Pablo folds a paper in half, then in half again, and so on. The first two folds are shown below. After how many folds will he have 32 congruent sections? Explain.

