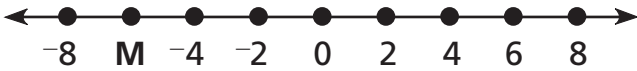


Problem Solving Test Prep

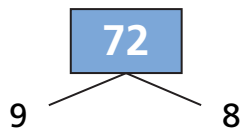
Choose the correct answer.

- 1 What is the value of M on the number line?



- A. -5 C. -7
B. -6 D. -9

- 2 A factor tree for 72 has been started. What are the prime factors of 72?



- A. 3, 3, 4, 4 C. 3, 3, 4, 2
B. 3, 3, 4 D. 3, 3, 2, 2, 2

- 3 What is the least whole number that is described below?

- It is divisible by 2, 3, 4, 6, and 8, but not by 5.
- The sum of its digits is a 2-digit number.

- A. 12
B. 24
C. 48
D. 96

- 4 Which number sentence is NOT equivalent to the one below?

$$(23 \times 23) - 16$$

- A. $(23 \times 23) - (4 \times 4)$
B. $(19 \times 27) - (4 \times 4)$
C. 27×19
D. $(18 \times 28) + (3 \times 3)$

Show What You Know

Solve each problem. Explain your answer.

- 5 In a 24-mile relay race, Edward ran $\frac{1}{4}$ of the distance, Carlos ran $\frac{1}{8}$ of the distance, Armand ran $\frac{1}{3}$, and Ronnie ran the rest. How many miles did Ronnie run? Explain.

- 6 The sum of the Magic Square is 45.

6	27	12
21	15	9
18	3	24

How could the numbers be changed so that the sum would be 51? Explain.
