

Problem Solving Test Prep

Choose the correct answer.

- 1 What is the difference between the largest two-digit number and the smallest two-digit number that can be made using the digits 3 and 9?
- A. 39 C. 54
B. 45 D. 93
- 2 Colleen uses small cubes to make a staircase. The steps have these numbers of cubes: 3, 6, 9, and 12. If she keeps following her pattern and makes the staircase taller, how many cubes will she need for the sixth step?
- A. 18 C. 16
B. 17 D. 15
- 3 Jackson buys 2 pens and pays 15¢ each for them. He now has 12¢. What is the smallest number of coins he could have had before he bought the pens?
- A. 4 C. 6
B. 5 D. 7
- 4 Which of these numbers could be the answer to this puzzle?
I am an even number greater than 40 and less than 60. What number am I?
- A. 40, 42, or 48
B. 42, 48, or 55
C. 46, 54, or 60
D. 44, 50, or 58

Show What You Know

Solve each problem. Explain your answer.

- 5 Delroy can choose from vanilla or chocolate ice cream. He can have a 1 scoop or 2 scoops of the same flavor. Homer can choose from 3 flavors, but can have only 1 scoop. Who has more choices? How many more?
- _____
- _____
- _____
- 6 Maria has a black, a brown, and a blue pair of pants. She has a black and a brown sweater. She makes outfits with a pair of pants and a sweater. How many extra outfits can she make if she gets one more sweater?
- _____
- _____
- _____