



# Warm-Up 1

- \_\_\_\_\_ If Franco types *MATHCOUNTS* 50 times in total, how many more consonants does he type than vowels?
- \_\_\_\_\_ seconds Vicki and Candace start a race at the same time. Vicki finishes in 28 minutes 47 seconds. Candace finishes in 29 minutes 46 seconds. How many seconds ahead of Candace does Vicki finish?
- \_\_\_\_\_ degrees What is the sum of the degree measures of the interior angles of a regular octagon?
- \_\_\_\_\_ \$ Vera's favorite coffee blend costs \$1.32 per ounce, including tax. How much will it cost Jorge to buy Vera one and a half pounds of her favorite coffee?
- \_\_\_\_\_ ways Lily is going to the movies with Abby, Bea and Jaclyn. Abby wants to sit at the end of a row, and Bea only cares that she is seated next to Jaclyn. In how many different ways can the girls be seated in a single row that has only four seats?
- \_\_\_\_\_ On the first five math quizzes of the school year, Maurice's scores were 80, 84, 99, 92 and 100. After the sixth quiz, Maurice's median score for all six quizzes was 90. What was Maurice's score on the sixth quiz?
- \_\_\_\_\_ regions What is the maximum number of non-overlapping regions that can be determined by three lines in a plane?
- \_\_\_\_\_ If  $3x + 155 = 272$ , then what is the value of  $3x + 160$ ?
- \_\_\_\_\_ Ash's secret number is a factor of 72. The secret number is neither prime nor a multiple of 3. What is the sum of all possible values of Ash's secret number?
- \_\_\_\_\_ One-half of three-fourths of a number is 20 more than two-fifths of the same number. What is the number?