

Fun With Rates

HOW DO YOU RATE?

Express each ratio in simplest terms. You may need to consult your math text or reference sources to answer some of the problems.

1. 2 to 10 _____
2. 2 feet to 1 yard _____
3. \$0.50 to \$2.50 _____
4. 2 feet to 6 inches _____
5. 1 centimeter : 5 meters _____
6. 1 quart to 1 gallon _____
7. 2 hours to 1 day _____
8. 1 egg : 1 dozen _____
9. 60 minutes : 1 hour _____
10. The ratio of the number of dimes in \$1.00 to the number of nickels in \$1.00.

11. The ratio of a 60° angle to its complement. _____
12. The ratio of boys to girls in a group of 25 people if 20 are girls. _____
13. The ratio of wins to losses of a team that won 15 out of 20 games and had no ties.

14. The ratio of the side of a square to its perimeter. _____
15. The ratio of correct answers to the total problems if a score is 100 percent.

MYSTERY RATIOS

Use the numbers 1 through 10 to answer the following questions. Express each ratio in simplest form.

1. Write the ratio of prime numbers to composite numbers. _____
2. Write the ratio of composite numbers to the numbers that are not prime. _____
3. Write the ratio of multiples of 3 to the multiples of 5. _____
4. Write the ratio of one-digit numbers to two-digit numbers. _____
5. Write the ratio of square numbers to numbers that have four factors. _____
6. Write the ratio of the numbers that are divisible by 7 to those that are divisible by 3.

7. Write the ratio of the sum of the even numbers to the sum of the odd numbers.

8. Write the ratio of the product of the even numbers to the product of the odd numbers.

9. Write the ratio of the sum of the even integers to the sum of all the integers.

10. Write the ratio of the number of factors of 8 to the number of factors of 4.
