

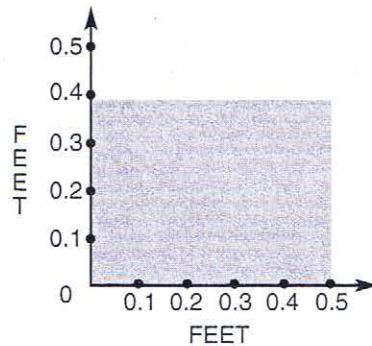
## 8th Grade

1. a. Change 60% to a fraction. \_\_\_\_\_

b. Change  $\frac{9}{20}$  to a percent. \_\_\_\_\_

2. Find the area of this shaded rectangle:

\_\_\_\_\_



3. Find the average of these numbers: 17, 13, 10, 16, 14

\_\_\_\_\_

4. Hershel had 100 baseball cards that he labeled from 1-100. He started with number one and marked every 5th card with an X, every 7th card with an O and every 10th card with a  $\checkmark$ . What number card will be the first to have all 3 marks (XO $\checkmark$ )?

\_\_\_\_\_

5. How many games are played in a 4 team round robin tournament? (Each team plays every other team only once.)

\_\_\_\_\_

6. Find the value of n:  $2,000 - n = -2,000$       $n =$  \_\_\_\_\_

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7.  $\frac{x}{6} = \frac{200}{4}$       $x =$  \_\_\_\_\_

8. Mrs. Fernandez has placed dogs on stands for a dog show. There are 7 rows with 12 stands in each row. Row 1 is filled with dogs except for the last stand. Row 2 is half empty. Rows 3 and 4 are  $.6\overline{6}$  full. Row 5 has 2 empty stands. Row 6 is 75% full. Row 7 is  $\frac{1}{6}$  empty. How many dogs are there in total? Draw a diagram to help you find the answer.

\_\_\_\_\_

9. Change this percent to a decimal:  $10\frac{1}{2}\%$  = \_\_\_\_\_

10. Mental math:  $400 - 25 + 30 - 5 - 100 =$  \_\_\_\_\_

11. Calculator skill: Use a calculator to find the better buy.

a. 36 ounces of seeds for \$3.50

b. 48 ounces of seeds for \$4.90 \_\_\_\_\_

12. 4,576.1093

a. What number is in the thousands place? \_\_\_\_\_

b. What number is in the thousandths place? \_\_\_\_\_