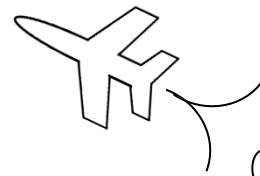


MAth on the Fly!



NAME: _____ DATE: _____

Ratios Word Problems

Solve each problem.

1.

The ratio of men to women at a seminar was 5 to 6.
If 54 women attended the seminar, how many men attended the seminar?

2.

A home has cats and dogs as pets. There are 3 cats for every 4 dogs.
If there are a total of 28 pets in the house, how many pets were dogs?

3.

John is a marathon runner who runs at an average of 10 miles per hour.
How many miles can John run in 45 minutes?

4.

A basketball team won 70% of their games.
If the team won 42 games, how many games did they lose?

5.

A triangle has sides that are in a ratio of 2:4:7.
If the perimeter of the triangle is 52 inches, what is the length of the biggest side?

6.

A box contains red marbles and blue marbles that are in ratio of 8 to 5.
How many blue marbles are in the box if there are 32 red marbles in the box?

7.

On a map, $1\frac{3}{4}$ inches is equivalent to 2.5 miles.
If two cities are 8.75 miles apart, how far apart in inches would they be on a map?

8.

A rectangle has a length and width that are in a ratio of 11:7.
If the width of the rectangle is 126 feet, what is the length of the rectangle in feet?

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SOLUTIONS

1. 45 men

2. 16 dogs

3. 7.5 miles

4. 18 games

5. 28 inches

6. 20 blue marbles

7. $6\frac{1}{8}$ or 6.125 inches

8. 198 feet