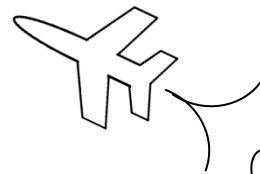


Math on the Fly!



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?

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