Ratio Word Problems

Name: _____

Read each problem. Show your work in the space, then write the answer.

1. A recipe uses 2 cups of flour for every 3 cups of oats. How many cups of oats go with 8 cups of flour?

Answer: _____

2. A class has 12 girls and 15 boys. Write the ratio of girls to boys in simplest form.

Answer: _____

3. Paint is mixed with 1 part blue to 4 parts white. How many quarts of white are needed for 3 quarts of blue?

Answer: _____

4. A car travels 150 miles on 5 gallons of gas. At the same rate, how far can it travel on 8 gallons?

Answer: _____

5. The ratio of red to green marbles in a bag is 3 : 5. There are 40 marbles in all. How many are red?

Answer: _____

6. Maya reads 4 pages in 6 minutes. At that rate, how many pages does she read in 30 minutes?

Answer: _____

Ratio Word Problems (Answer Key)

Read each problem. Show your work in the space, then write the answer.

1. A recipe uses 2 cups of flour for every 3 cups of oats. How many cups of oats go with 8 cups of flour?

8 ÷ 2 = 4

3 × 4 = 12

Answer: **12 cups of oats**

2. A class has 12 girls and 15 boys. Write the ratio of girls to boys in simplest form.

12 ÷ 3 = 4

15 ÷ 3 = 5

Answer: **4 : 5**

3. Paint is mixed with 1 part blue to 4 parts white. How many quarts of white are needed for 3 quarts of blue?

4 × 3 = 12

Answer: **12 quarts of white**

4. A car travels 150 miles on 5 gallons of gas. At the same rate, how far can it travel on 8 gallons?

150 ÷ 5 = 30 miles per gallon

30 × 8 = 240

Answer: **240 miles**

5. The ratio of red to green marbles in a bag is 3 : 5. There are 40 marbles in all. How many are red?

3 + 5 = 8 parts

40 ÷ 8 = 5 in each part

3 × 5 = 15

Answer: **15 red marbles**

6. Maya reads 4 pages in 6 minutes. At that rate, how many pages does she read in 30 minutes?

30 ÷ 6 = 5

4 × 5 = 20

Answer: **20 pages**