RATIO AND PROPORTION WORD PROBLEM   **5th Grade**

Solve each question and show your work.

1. The ratio of cats to dogs in a pet shop is 3 : 5. If there are 15 dogs, how many cats are there?

2. A bike moves 90 km in 6 hours. How long will it take to move 135 km at the same speed?

3. A car travels 180 km on 12 liters of fuel. How far can it travel on 20 liters?

4. The ratio of boys to girls in a class is 4 : 6. If there are 24 boys, how many girls are there?

5. A recipe uses 2 cups of sugar for every 5 cups of flour. How many cups of sugar are needed for 20 cups of flour?

6. In a zoo, the ratio of lions to tigers is 5 : 3. If there are 25 lions, how many tigers are there?

7. A train travels 150 km in 3 hours. How far will it go in 5 hours at the same speed?

8. The ratio of blue marbles to red marbles is 2 : 3. If there are 18 red marbles, how many blue marbles are there?

9. A store sells 8 pencils for $4. How much would 20 pencils cost?

10. The ratio of apples to oranges in a basket is 7 : 4. If there are 28 apples, how many oranges are there?