

Ratio Word Problems

Name: _____ Class: _____

Answer the questions and show your workings.

1. The ratio cows to sheep in a field is 3:5. If there are 15 cows, how many sheep are there in this field?



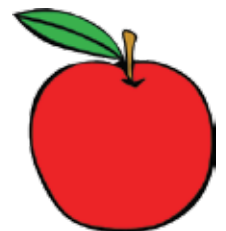
2. If I have 20 pens and paperclips. If the ratio pen to paperclip is 1:9, how many paperclips do I have?

3. In my basketball team we have 6 boys and 3 girls. What is the ratio boys to girls in my team?



4. I have 12 blue marbles and 4 red marbles. What is the ratio of blue marbles to that of the red ones?

5. I bought 2 kilograms of apples and 600 grams of sugar. What is the ratio of the mass of apples to that of the sugar?



6. The ratio German cars to Japanese cars in a parking lot is 2:3. If you count 10 German cars, how many Japanese cars are parked?

Answers

Answer the questions and show your workings.

1. The ratio cows to sheep in a field is 3:5. If there are 15 cows, how many sheep are there in this field?

$$(15 \div 3) \times 5 = 25 \text{ sheep}$$



2. If I have 20 pens and paperclips. If the ratio pen to paperclip is 1:9, how many paperclips do I have?

$$(20 \div 10) \times 9 = 18 \text{ paperclips}$$

3. In my basketball team we have 6 boys and 3 girls. What is the ratio boys to girls in my team?

$$6 : 3 = 2 : 1$$

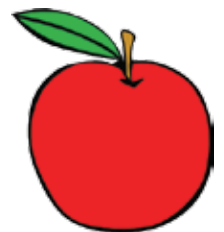


4. I have 12 blue marbles and 4 red marbles. What is the ratio of blue marbles to that of the red ones?

$$12 : 4 = 3 : 1$$

5. I bought 2 kilograms of apples and 600 grams of sugar. What is the ratio of the mass of apples to that of the sugar?

$$2,000 : 600 = 10 : 3$$



6. The ratio German cars to Japanese cars in a parking lot is 2:3. If you count 10 German cars, how many Japanese cars are parked?

$$(10 \div 2) \times 3 = 15 \text{ Japanese cars}$$