2. A recipe calls for 3 parts sugar and 4 parts flour. If you need 2 cups of sugar, how many cups of flour do you need?

1. If a recipe calls for 2 cups of flour and 3 cups of sugar, what is the ratio of flour to sugar?
2. A box contains 20 green balls and 30 blue balls. What is the ratio of green balls to the total number of balls?

2) The scale on a map is 1:5000. If the distance between two cities on the map is 10 cm, what is the actual distance in kilometers?

2. Sanjay mixes two shades of green paint in the following ratios of green : white.

Sea green 5 : 7 Fern green 8 : 11

Which shade of green paint is darker?

1 .A car travels 240 miles in 4 hours. At the same speed, how far will it travel in 8 hours?

2) Eight jars of jam cost $22

How much do 16 jars of jam cost?

1 Are these quantities in direct proportion?

1. The total cost of packets of biscuits and the number of packets bought
2. The number of girls in an athletics club and the number of boys in an athletics club
3. The number of litres of fuel bought and the total cost of the fuel
4. The amount of TV a person watches in a day and the length of time they brush their teeth

1. In ‘The Havens’ gymnastic club there are 12 boys and 18 girls

In ‘The Dales’ gymnastic club there are 8 boys and 14 girls.

Which gymnastic club has the higher proportion of girls?

1. Mary and John share money in the ratio 3:2. If Mary gets $15, how much does John get?

1. When Maria makes a fl an she uses milk and cream in the ratio 3 : 2. Maria used 240 ml of milk for the fl an she made yesterday. How much cream did she use?
2. If a map scale is 1 inch represents 5 miles, how many inches on the map would represent 25 miles?

2) A recipe for lemonade calls for 4 cups of water and 1 cup of lemon juice. If you want to make 12 cups of lemonade, how many cups of water and lemon juice do you need?

1. If a bag contains 4 red marbles, 6 blue marbles, and 2 green marbles, what is the ratio of blue marbles to the total number of marbles?
2. In a fruit basket, the ratio of apples to oranges is 2:3. If there are 24 oranges, how many apples are there?

2) A recipe requires 3 cups of sugar for every 5 cups of flour. If 10 cups of flour are used, how many cups of sugar are needed?