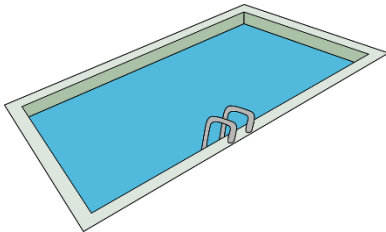




Ratio and proportion

1) One third of the sweets in a box are mints. The rest are chocolates. What is the ratio of mints to chocolates in the box? _____ : _____

2) There are 5 girls for every 6 boys at a swimming pool. If there are 18 boys, how many girls are there? _____



3) Simplify the ratios giving your answer in its simplest form:

a) $120 : 60$ _____ : _____

b) $2.8 : 4.2$ _____ : _____

c) $80 : 48$ _____ : _____

4) In a pack of balloons, there are 3 different colours: red, blue and green. The ratio is 5:2:1 (red: blue: green). If there are 8 blue balloons in the pack, how many balloons are there in total? _____

5) A piece of wood 3.6m long is cut into 3 pieces in the ratio 2:3:4. Find the length of each piece. _____

6) A rectangle has the ratio of width to length 2:3. If the perimeter of the rectangle is 30cm, what's the area? _____

7) There are 24 children in a class. There are twice as many boys as girls. How many boys and girls are there? _____





8) In a class of 27 children $\frac{2}{3}$ of children have school dinners and $\frac{1}{3}$ have packed lunches. How many have each and what is the ratio in its simplest form? _____ school dinners and _____ packed lunches. The ratio is _____ : _____

9) The ratio of cows to sheep in a field is 2 : 5 Here are the cows. Draw the sheep.



10) A party bag contains lollies, stickers and gummy bears.

$\frac{3}{8}$ of the party bag is lollies.

$\frac{1}{2}$ of the party bag is gummy bears.

The rest are stickers.

What does each ratio represent?

- a) 1 : 3 _____ to _____
- b) 4 : 1 _____ to _____
- c) 3 : 5 _____ to _____

