

RATIO

TASK 1

In a classroom of boys and girls, the ratio of *boys to girls* is **3 : 2**. Find how many boys or girls there would be in a classroom which has:

- | | | |
|-------------|-------------|-------------|
| a) 27 boys | d) 14 girls | g) 33 boys |
| b) 24 girls | e) 15 boys | h) 28 girls |
| c) 24 boys | f) 6 girls | i) 45 boys |

TASK 2

A bottle of fruit juice is made up from 120 ml of juice and 360 ml of water.

- What fraction of the bottle is filled with juice?
- What fraction of the bottle is filled with water?
- What is the ratio of juice to water?
- A second bottle has the same ratio of juice to water as this bottle. If the second bottle has 140 ml of juice, how much water would there be?

TASK 3

If only 20% of a chocolate biscuit is chocolate and the total weight of the chocolate biscuit is 42 grams, find the following:

- The share of chocolate to biscuit as a ratio.
- The weight of chocolate.
- The weight of the biscuit without chocolate.
- How much chocolate would there be in a pack of 32 chocolate biscuits?

TASK 4

A cinema audience of men, women and children is split in the following ratio:

2 : 3 : 7

- What fraction of the audience are women?
- If there are 168 people in total in the audience, find how many men, women and children would there be?