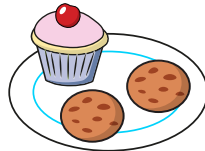


Calculating ratio

- 1 Eva is baking cakes and cookies.
For every 1 cake, she will bake 2 cookies.



- a) If Eva bakes 3 cakes, how many cookies will she bake?



6

- b) If Eva bakes 10 cookies, how many cakes will she bake?



5

- 2 The ratio of red to yellow counters is 2:3
There are 20 counters in total.
How many counters of each colour are there?
You can colour the counters to help you.



yellow 12

red 8

- 3 Tom has 5 green cubes for every 3 yellow cubes.
He has 16 cubes in total.

Draw a diagram to represent this.



- 4 Esther is building a tower of cubes.

The ratio of red to yellow cubes is 3:1

The tower has 6 yellow cubes. How many red cubes are there?

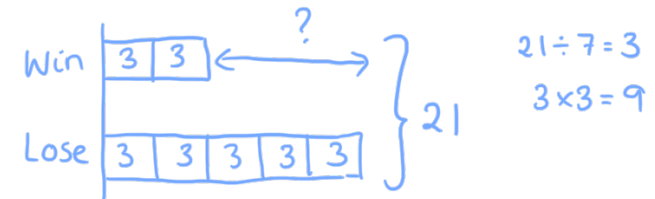


18

- 5 Nijah plays 21 games of chess.

For every 2 games she wins, she loses 5 games.

How many more games does she lose than win?



9

6

- a) Huan is making a drink by mixing 1 part juice with 5 parts water.

Complete the table to show the amounts he would need to use.

Juice	Water
1 litre	5 litres
2 litres	10 litres
4 litres	20 litres
100 ml	500 ml
200 ml	1 litre
300 ml	1.5 litres
6 litres	30 litres
150 ml	750 ml

1L = 1000 ml

- b) Huan makes 1 litre 500 ml of drink in total.

How much juice and water does he need to use?

juice 250ml

water 1,250ml

7

A group of students study French or German in the ratio 3 : 7

- a) Which subject has the most students? German
- b) Draw a diagram to represent this.



- c) There are 80 students in total.

How many more students study German than French?



8

Describe a situation for each bar model.

- a) green blue } 28

The ratio of green to blue sweets is 4 : 3. There are 28 sweets in total.

- b) 28
green blue

The ratio of green to blue sweets is 4 : 3. There are 28 green sweets.

- c) green blue } 28

The ratio of green to blue sweets is 4 : 3. There are 28 more green sweets than blue sweets.

Compare answers with a partner.

What is the same and what is different?