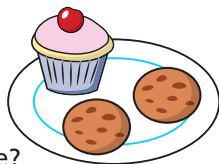


- 1 Eva is baking cakes and cookies.

For every 1 cake, she will bake 2 cookies.

- a) If Eva bakes 3 cakes, how many cookies will she bake?
b) If Eva bakes 10 cookies, how many cakes will she bake?

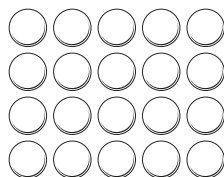


- 2 The ratio of red to yellow counters is 2:3

There are 20 counters in total.

How many counters of each colour are there?

You can colour the counters to help you.



- 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?

- 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?

- 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	1 litres	2 litres	4 litres	100 ml	200 ml	300 ml		
Water	5 litres						30 litres	750 ml

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

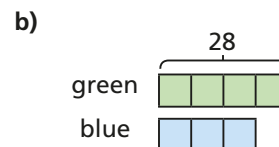
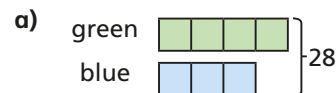
How much juice and water does he need to use?

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

- a) Which subject has the most students?
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.



Compare answers with a partner.

What is the same and what is different?