Calculating ratio

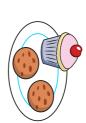


Tom has 5 green cubes for every 3 yellow cubes

Draw a diagram to represent this.

He has 16 cubes in total.

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?















σ

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















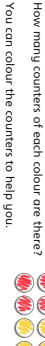








The ratio of red to yellow counters is 2:3 How many counters of each colour are there? There are 20 counters in total.













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?

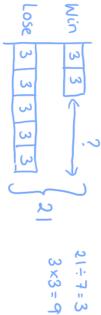




Nijah plays 21 games of chess.

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.

		1C= 1,000 ml							
150 ml	6 litres	300 ml	200 ml	100 ml	4 litres	2 litres	1 litre	Juice	
750 ml	30 litres	1.5 litres	1 Litre	500 ml	20 litres	10 litres	5 litres	Water	

b) Huan makes 1 litre 500 ml of drink in total.
How much juice and water does he need to use?

	iui Ge	
۸	5	
Ç	ת	
)	
1	3_	

water 1, 250 ml



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



b) Draw a diagram to represent this.



c) There are 80 students in total.

How many more students study German than French?



ω v



Describe a situation for each bar model.

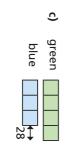


The ratio of green to bue sweets is 4:3. There are 28 sweets in the



blue

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



The ratio of green to the sweets is 4:3. There are 28 more green sweets,

Compare answers with a partner.

What is the same and what is different?



