Year 6

Monday 6th July 2020 Maths

LO: Calculating Ratio





The video of this lesson is available here - Summer Term - Week 10 - lesson 2

This link works on the printable version and is available above the PowerPoint.

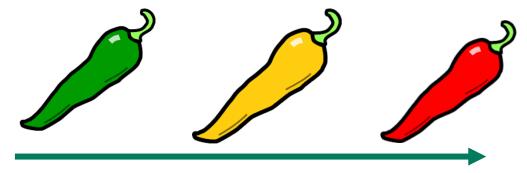
You will need to watch this video to learn the skills you need in this lesson.





The independent work continues on the next two slides. There are 7 questions and 1 extension.

(Espanol - siete preguntas y una extensión)



The chili suggests a good starting point depending on how confident you are feeling.

If you have time you can complete all the independent work!

Calculating ratio



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?

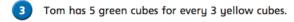


There are 20 counters in total.

How many counters of each colour are there?

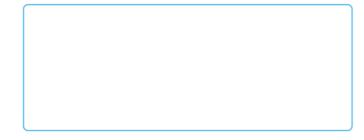
You can colour the counters to help you.





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?



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

How many more games does she lose than win?



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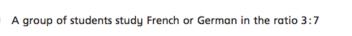
a) Huan is making a drink by mixing 1 part juice with 5 parts water.

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

Juice	Water
1 litre	5 litres
2 litres	
4 litres	
100 ml	
200 ml	
300 ml	
	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

juice	water	





a) Which subject has the most students? _____

b) [Draw o	diagram	to	represent	this.
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c) There are 80 students in total.
How many more students study German than French?

Ext:

Describe a situation for each bar model.



o)		28	
	green		
	blue		

c)	green		
	blue	→	

Compare answers with a partner.

What is the same and what is different?















The next two slides contain the answers should you wish to check you work and reflect on what you understand.







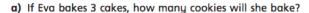
Calculating ratio



1 Eva is baking cakes and cookies.



For every 1 cake, she will bake 2 cookies.



6

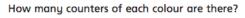
b) If Eva bakes 10 cookies, how many cakes will she bake?

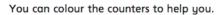


2 The ratio of red to yellow counters is 2:3



There are 20 counters in total.







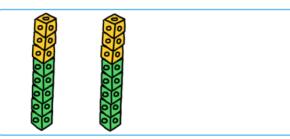
yellow |2



3 Tom has 5 green cubes for every 3 yellow cubes.

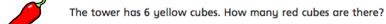
He has 16 cubes in total.

Draw a diagram to represent this.



Esther is building a tower of cubes.

The ratio of red to yellow cubes is 3:1



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?



18



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

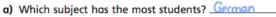
Complete the table to show the amounts he would need to use.

Juice	Water
1 litre	5 litres
2 litres	10 likres
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

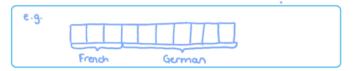
b) Huan makes 1 litre 500 ml of drink in total. How much juice and water does he need to use?







b) Draw a diagram to represent this.



c) There are 80 students in total.

How many more students study German than French?

Ext:

Describe a situation for each bar model. Various answers.

a)	green	
	blue	28

b)		28	
	green		
	blue		



Compare answers with a partner.

What is the same and what is different?







