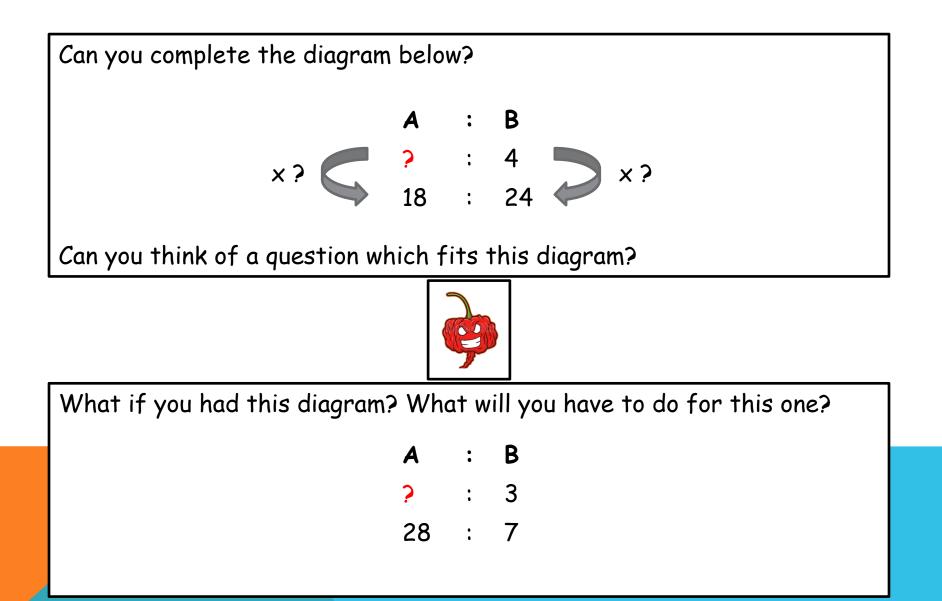
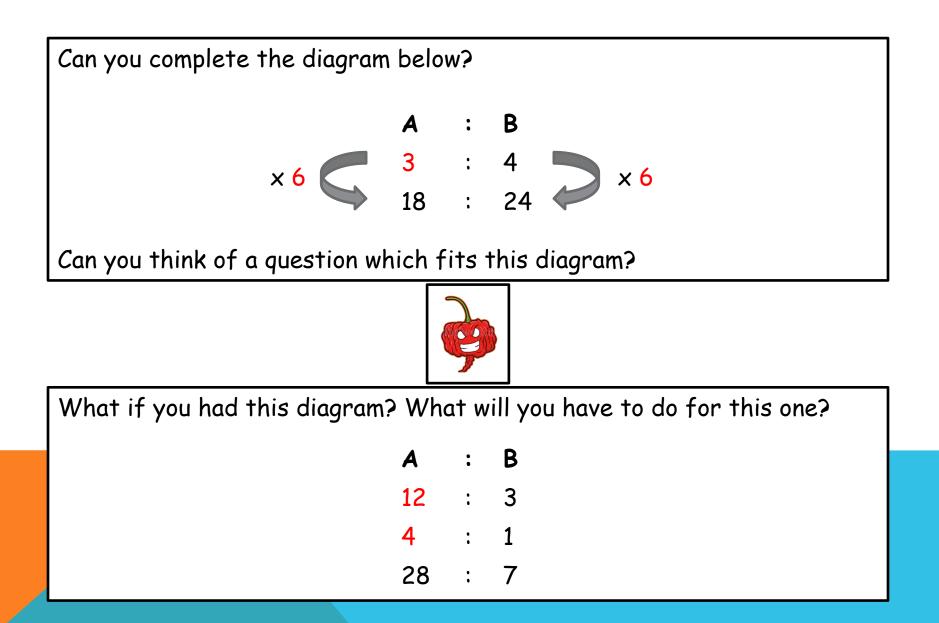
RECALL

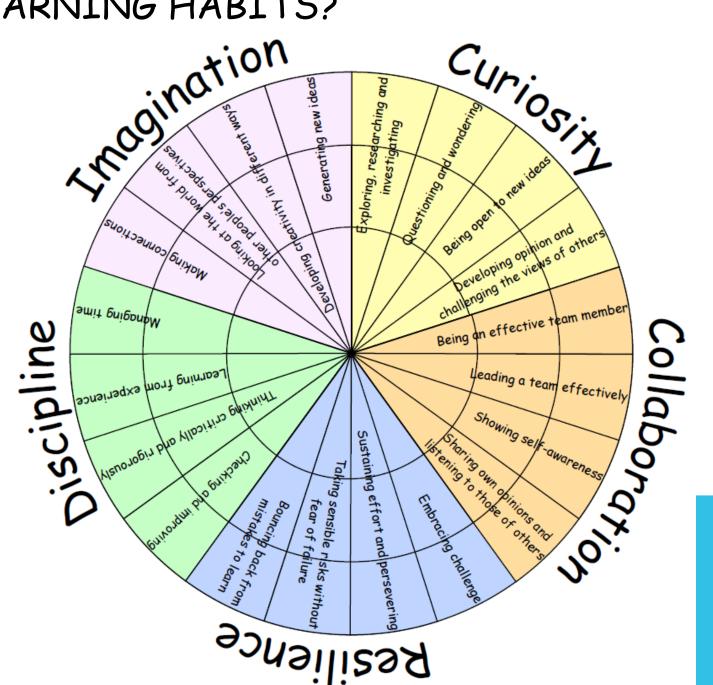


RECALL





LEARNING HABITS?



GUIDED PRACTICE

For every 2 yellow balloons I inflated ...

Ebo

There are 30 balloons in the net.

INTELLIGENT PRACTICE

What are the total

number of objects in each

ratio? How do you know?

1:2 -> ?

2) 2 : 3 -> ?

3) 3 : 5 → ?

4) 2 : 7 → ?

) 3 : 7 🔶 ?



Fill in the missing boxes:			Fill in the missing boxes:		
A	В	Total	A	B	Total
2	3	5	2	?	7
4	6	?	?	20	?
С	D	Total	С	D	Total
3	4	7	8	?	12
9	12	?	?	36	?
E	F	Total	E	F	Total
2	7	9	?	4	5.5
8	?	?	3	?	?



I make some green paint by mixing blue and yellow paint together. The ratio has to be 3 : 2 (blue : yellow).

If I make 1 litre of yellow paint, how much of each paint will I need?

INTELLIGENT PRACTICE - ANSWERS





Fill in the missing boxes:		Fill in the missing boxes:			
A	В	Total	A	В	Total
2	3	5	2	5	7
4	6	10	8	20	28
С	D	Total	С	D	Total
3	4	7	8	4	12
9	12	21	72	36	108
E	F	Total	E	F	Total
2	7	9	1.5	4	5.5
8	28	36	3	8	11



What are the total

number of objects in each

ratio? How do you know?

1:2 -> 3

2) 2 : 3 🗲 5

3) 3 : 5 -> 8

4) 2 : 7 **→** 9

5) 3 : 7 **→** 10

I make some green paint by mixing blue and yellow paint together. The ratio has to be 3 : 2 (blue : yellow). 3: 2 → 5

(x200) 600 : 400 → 1000ml (1 litre)

DIVE DEEPER 1

1) Eva is baking cakes and biscuit. For every 1 cake, she will bake 2 biscuits.



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

a) If Eva bakes 10 biscuits, 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?

= ?

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.

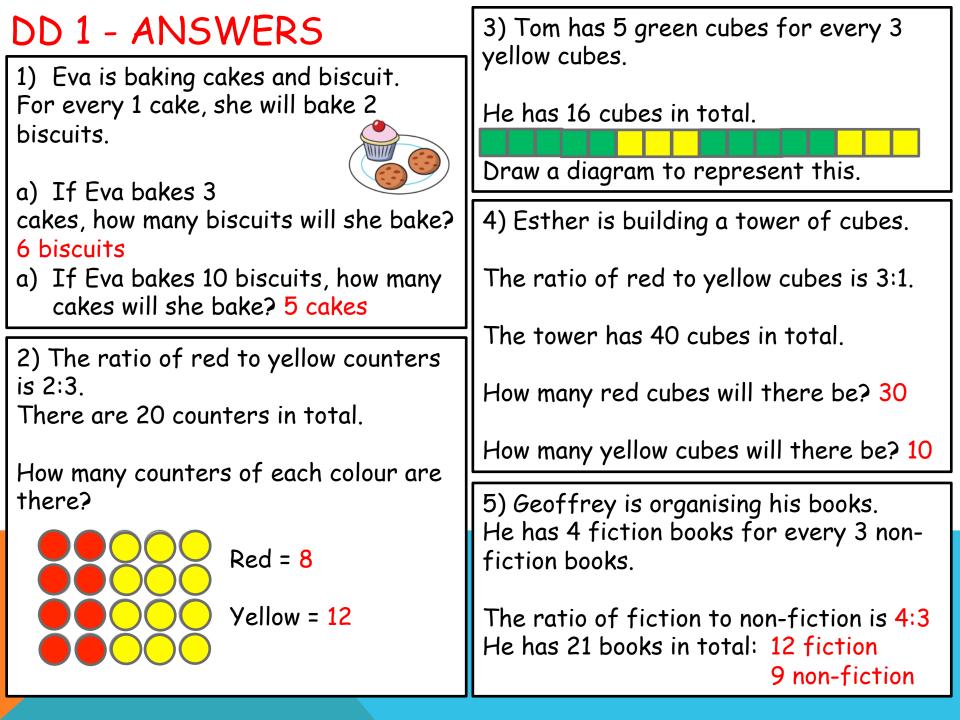
The tower has 40 cubes in total.

How many red cubes will there be?

How many yellow cubes will there be?

5) Geoffrey is organising his books. He has 4 fiction books for every 3 nonfiction books.

The ratio of fiction to non-fiction is ? : ? If he has 21 books in total, how many does he have of each type?



DIVE DEEPER 2

6) Nijah plays 21 games of chess.

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

How many games does she win?

7) Henry is making a drink by mixing 1 part juice for every 5 parts water.

Copy and complete the following table:

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

8) A group of students study French or German in a ratio of 3:7

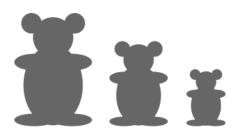
- a) Which subject has the most students?
- b) Draw a diagram to represent this. You could use a bar or use letters, symbols or pictures.
- c) There are 80 children in total. How many students study French?

DIVE DEEPER 2 -	8) A group of students study French or German in a ratio of 3:7				
6) Nijah plays 21 games of					
For every 5 games she wir	a) Which subject has the most students? German				
How many games does she	most students? German				
7) Henry is making a drink for every 5 parts water.	b) Draw a diagram to represent this. You could use a bar or use				
Copy and complete the fol	letters, symbols or pictures.				
Juice	Water	G G G G G G G G			
1 litre	5 litres	FFFF			
2 litres	10 litres	c) There are 80 children in			
4 litres	4 litres 20 litres				
100 ml	500 ml	total. How many students study French?			
200 ml	21 atudanta atudu Enanch				
300 ml	1500 ml (1.5 litres)	24 students study French			
6 litres	30 litres				
150 ml					

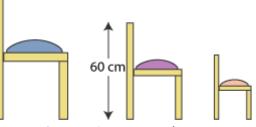
DIVE DEEPER 3

9) Once upon a time there were three bears. There was Father Bear, Mother Bear and Baby Bear. But you knew that!

Everything they had was in the same ratio, including the bears themselves! The ratio of the three bears (Father Bear: Mother Bear: Baby Bear) was 4:3:2.



a) Mother Bear's chair was 60 cm high. How high were the other two chairs?



b) The diameter across the top of each Bear's porridge bowl was three times the height.

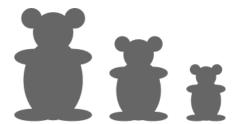
Father Bear's bowl was 24 cm across. What was the diameter of Mother Bear's bowl and the height of Baby Bear's bowl?



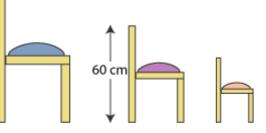
DIVE DEEPER 3 - ANSWERS

9) Once upon a time there were three bears. There was Father Bear, Mother Bear and Baby Bear. But you knew that!

Everything they had was in the same ratio, including the bears themselves! The ratio of the three bears (Father Bear: Mother Bear: Baby Bear) was 4:3:2.



a) Mother Bear's chair was 60 cm high. How high were the other two chairs? Father bear's chair = 80cm; Mother bear's chair = 60cm; Baby bear's chair = 40cm



b) The diameter across the top of each Bear's porridge bowl was three times the height.

Father Bear's bowl was 24 cm across. What was the diameter of Mother Bear's bowl and the height of Baby Bear's bowl? Mother bear's bowl = 18cm Height of baby bear's bowl = 4cm



SELF-ASSESSMENT

- Some will even realise that you can have more than 2 different objects in a ratio
- Some will be able to represent ratios in several different ways confidently
- Most will be able to manipulate ratios (both increasing and decreasing their values)
- All will write ratios and write multiples of that ratio