Lesson 4- Fractions

What do you need?

Pen and Paper

Blue Zone	Green Zone	Yellow Zone	Red Zone
 Going slow	 Good to go	 Caution Starting to lose control	 Stop! Out of control
E.g. sad, sick, tired, bored	E.g. happy, calm, focused, ok	E.g. worried, excited, annoyed	E.g. angry, terrified, elated

Which times table?

For each slide see if you can work out which times table both the numbers fall in.

You may end up writing down more than 1 number!

Question 1

25 and 30

They are both in the 5 times table!

Question 2

11 and 22

They are both in the
11 times table!

Question 3

8 and 14

They are both in the 2 times table!

Question 4

6 and 18

They are both in the
2,3 and 6 times tables!

Question 5

10 and 20

They are both in the 2,5 and 10 times tables!

How does this help with fractions?

We are going to simplify fractions.

Instead of using big numbers for a fraction like 30/60 we will use smaller ones like $\frac{1}{2}$.

We can do this because these fractions are EQUIVALENT

We will be dividing the top and bottom of the fractions to simplify them.

Why say four-eighths (4/8) when you really mean half (1/2) ?

(**Four-Eighths**)

4/8

(**Two-Quarters**)

2/4

(**One-Half**)

1/2

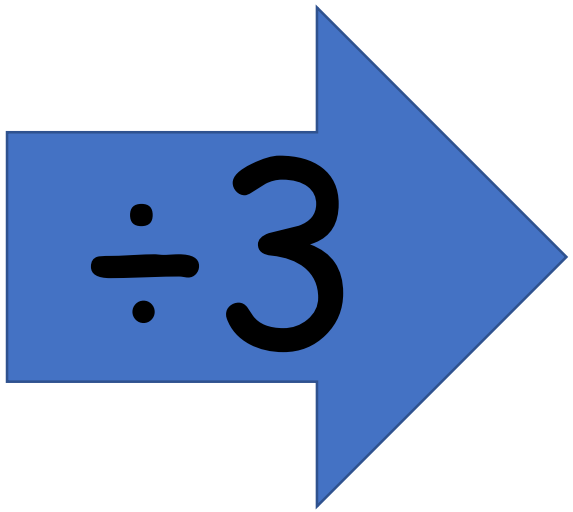
Example 1

$$\frac{25}{30} \xrightarrow{\div 5} \frac{\quad}{\quad}$$

What times table has 25 and 30?

5! We will divide by 5

Example 2

$\frac{6}{9}$  $\frac{\quad}{\quad}$

What times table has 6 and 9?

3! We will divide by 3

Example 3

$$\frac{6}{10} \xrightarrow{\div 2} \frac{\quad}{\quad}$$

What times table has 6 and 10?

2! We will divide by 2

Example 4

$$\frac{4}{12} \xrightarrow{\div 4} \frac{\quad}{\quad}$$

What times table has 4 and 12?

4! We will divide by 4

Example 4 – Alternative!

$$\frac{4}{12} \xrightarrow{\div 2} \frac{2}{6} \xrightarrow{\div 2} \frac{1}{3}$$

We can look to see if the numbers are even – If they are we can halve them both.

They are still even, so we can halve again!

Time to try some!

1) $\frac{4}{12}$

2) $\frac{3}{12}$

3) $\frac{5}{20}$

4) $\frac{10}{30}$

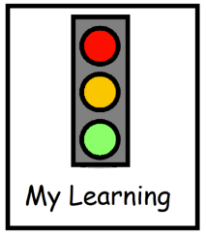
5) $\frac{6}{18}$

6) $\frac{12}{14}$

7) $\frac{15}{21}$

8) $\frac{15}{35}$

9) $\frac{16}{32}$



Traffic light your work today.

Thumbs down- I don’t understand it

Thumbs across- I understand some of it

Thumbs up- I understand all of it