

Term 3 Week 4

- Carry out operations such as multiplication and division.
 - Find fractions of amounts; half, quarters, thirds, fifths, tenths
- To know not all objects can be shaded or cut to find fractions

Fractions

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Multiplication questions 😊

$$5 \times 3 =$$

$$4 \times 10 =$$

$$3 \times 2 =$$

$$8 \times 5 =$$

$$7 \times 10 =$$

$$3 \times 4 =$$

$$10 \times 7 =$$

$$4 \times 3 =$$

What is a fraction?

A fraction is made up of 3 parts:

$$\begin{array}{r} 3 \\ \hline 4 \end{array}$$

Numerator

Dividing line

Denominator

What is a fraction?

A fraction is made up of 3 parts:

$$\frac{3}{4}$$

Numerator

The numerator is how many parts you have of the 'whole'.

What is a fraction?

A fraction is made up of 3 parts:

$$\frac{3}{4}$$

Dividing line

A fraction tells you how many parts you have out of how many in the 'whole'.
The whole is divided into equal parts.

What is a fraction?

A fraction is made up of 3 parts:

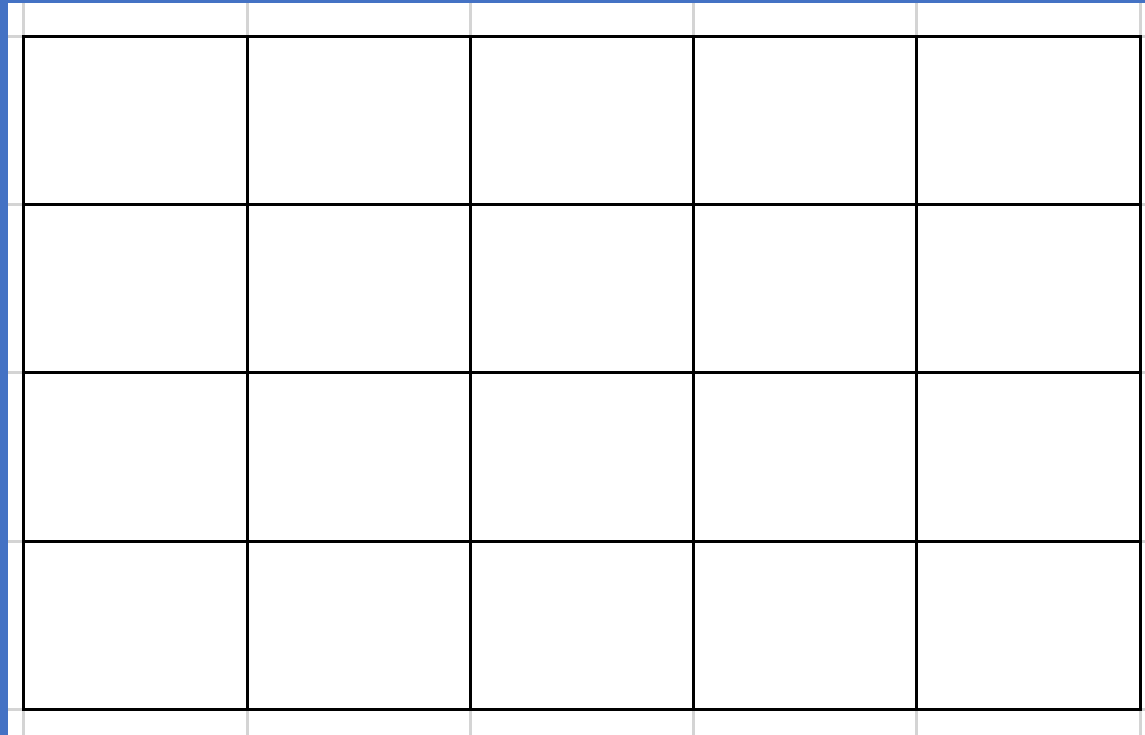
$$\frac{3}{3}$$

3

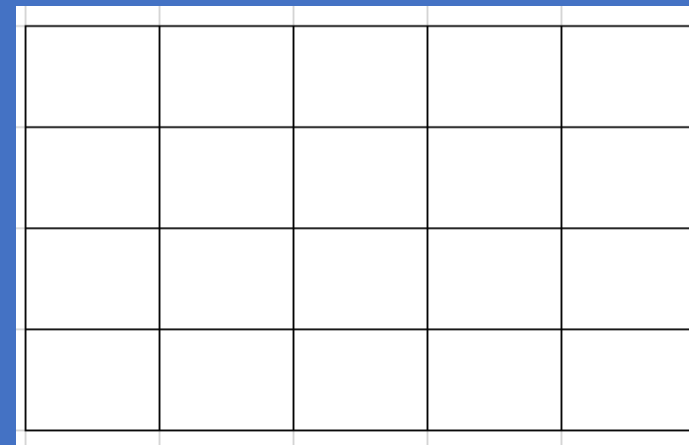
Denominator

The denominator are how many EQUAL parts in the 'whole'.

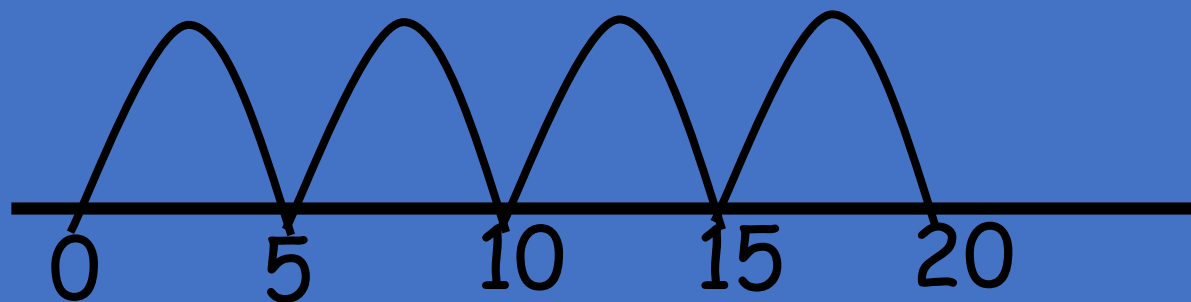
There are 20 squares. $\frac{1}{5}$ of them should be shaded.
How many squares need to be shaded?



$$\frac{1}{5} \text{ of } 20 = 4$$



How many times does 5 go into 20?
Count in 5s

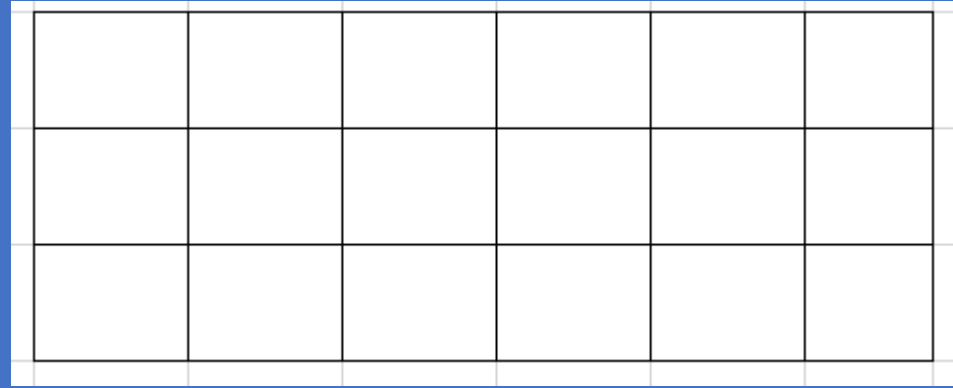


4 jumps so 5 goes in 4 times.

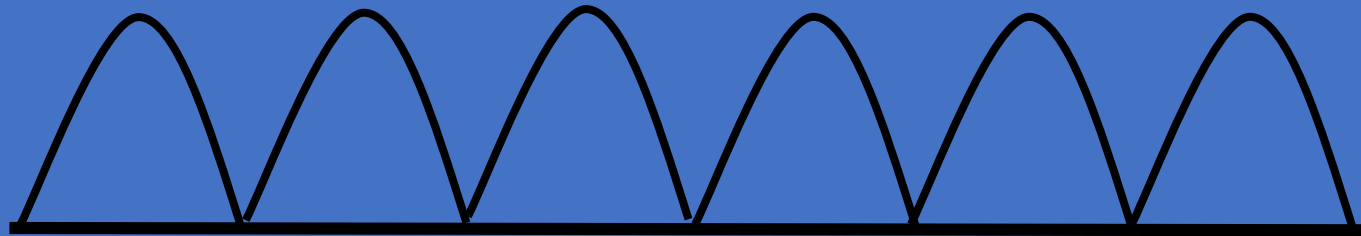
Multiply the numerator by the answer.

$$1 \times 4 = 4$$

$$\frac{1}{3} \text{ of } 18 = 6$$



How many times does 3 go into 18?
Count in 3s



6 jumps so it goes in 6 times.
Multiply the numerator by the answer.
 $1 \times 6 = 6$

Have a go at the questions on the worksheet.

What are you more confident in today?

Fractions

[Hit the Button - Quick fire maths practice](#)

Multiplication questions 😊

$$5 \times 10 =$$

$$4 \times 15 =$$

$$3 \times 5 =$$

$$8 \times 3 =$$

$$7 \times 2 =$$

$$6 \times 5 =$$

$$10 \times 4 =$$

$$4 \times 8 =$$

What is a fraction?

A fraction is made up of 3 parts:

$$\begin{array}{r} 3 \\ \hline 4 \end{array}$$

Numerator

Dividing line

Denominator

You can find fractions of amounts as well as shapes.

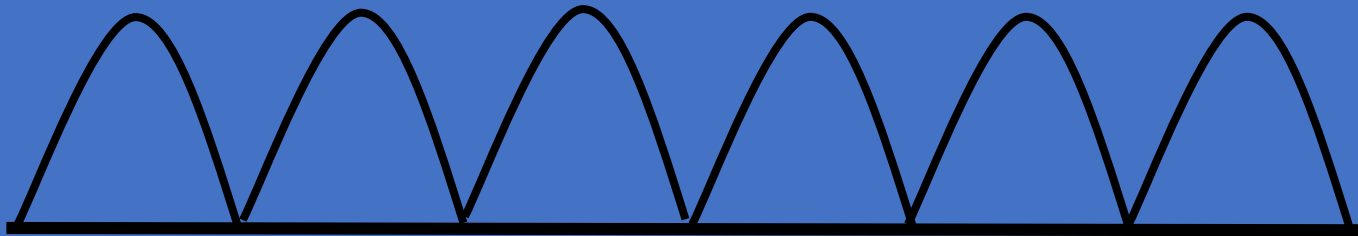
It is important to remember that all parts **MUST** be equal.

If I need to find $\frac{1}{2}$ of a number, I can use my 2 times table.

If I need to find $\frac{1}{4}$ of a number, I can use my 4 times table.

$$\frac{2}{3} \text{ of } 18 = 12$$

How many times does 3 go into 18?
Count in 3s



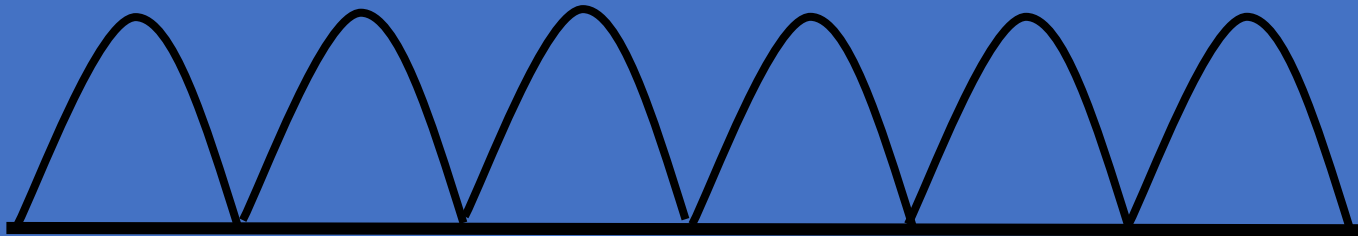
6 jumps so it goes in 6 times.

Multiply the numerator by the answer.

$$2 \times 6 = 12$$

$$\frac{4}{5} \text{ of } 30 = 12$$

How many times does 5 go into 30?
Count in 5s



6 jumps so it goes in 6 times.

Multiply the numerator by the answer.

$$4 \times 6 = 24$$

Don't forget you can swap the numbers around to make it easier for you to use your times table knowledge.

$$4 \times 6 \text{ is the same as } 6 \times 4$$

Have a go at the questions on the worksheet.

What are you more confident in today?