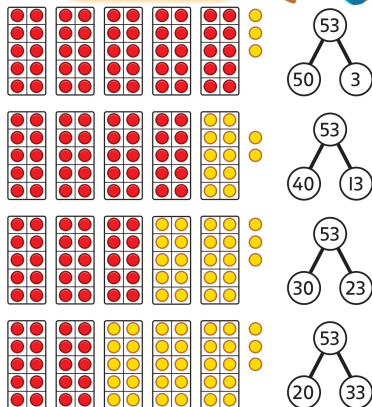


partition

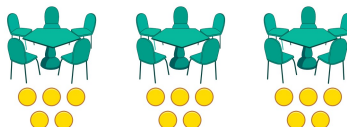
to break a number into two or more parts

I can partition 53 in different ways.



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multiply (x)



I can multiply 3×5 to find the total number of chairs.

3×5 means that there are 3 groups of 5.
 $3 \times 5 = 15$

I could add all 3 groups to find the total number of chairs.

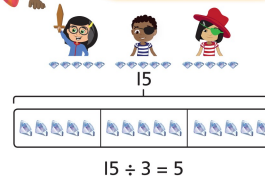
$5 + 5 + 5 = 15$
But this is slower than multiplying.

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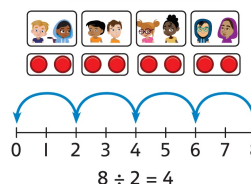
divide (÷)



I divide by sharing into equal groups.



I divide by grouping.



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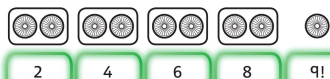
even and odd

2, 4, 6, 8, 10 and 12 are **even** numbers.
1, 3, 5, 7, 9 and 11 are **odd** numbers.



2 4 6 8 10 12

Even numbers count in 2s.



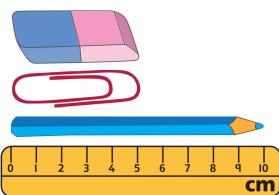
2 4 6 8 9!

9 is an **odd** number. There is 1 left over when I count in 2s.

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centimetre

Your finger measures about 1 centimetre (cm) wide.



The pencil is exactly 10 centimetres long.

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metre

One metre is 100 centimetres.



I am taller than 1 metre.

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fraction

an equal part of a whole

$\frac{1}{2}$ is a **fraction**. We say 'one half'.

I know that one half means 1 of 2 equal parts.



This flag has 2 equal parts altogether.
Each stripe is 1 part.
Each stripe is $\frac{1}{2}$ of the flag.



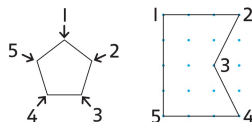
This kite has 4 equal parts.
Each part is $\frac{1}{4}$ of the kite.
The kite has $\frac{3}{4}$ shaded.

numerator $\frac{3}{4}$ denominator

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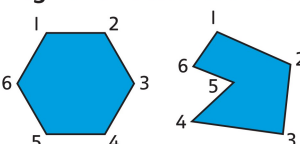
pentagon and hexagon

A **pentagon** has 5 corners and 5 sides.



Pentagons can look different from each other.

A **hexagon** has 6 corners and 6 sides.



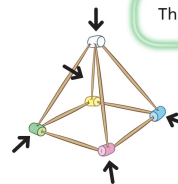
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vertex

the name for a corner of a shape

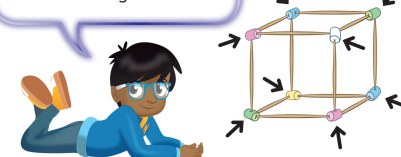


The plural of **vertex** is **vertices**.



This pyramid has five vertices.

A cube has eight vertices.



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