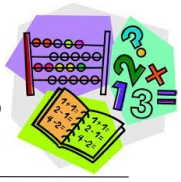
Maths Masterclass



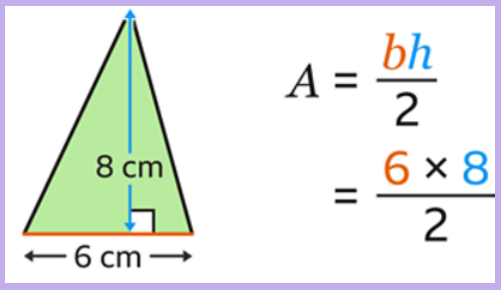
Year 6: Spring 1

Alongside the half-termly curriculum information, we will be including additional information about the Maths learning that your child will be undertaking over the coming weeks. This includes some of the methods used in school to explain how we teach Maths and make it easier to support your child with their learning.

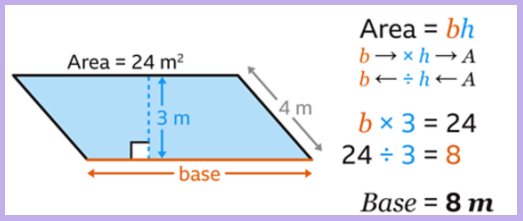
Area and perimeter

This term we will be looking at the area of triangles and parallelograms. We will also be understanding how to calculate the volumes of cuboids. We will be looking at simplifying, comparing and using the four operations with fractions.

Area of a triangle:



Area of a parallelogram:



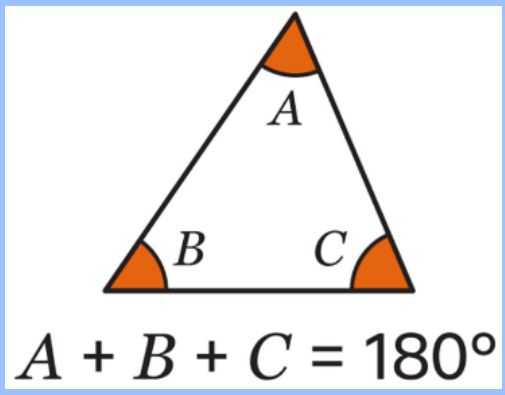
Useful websites:

BBC Bitesize— Area of parallelograms - KS3 Maths - BBC Bitesize

Area of triangles - KS3 Maths - BBC Bitesize

Volume of cubes and cuboids - KS3 Maths - BBC Bitesize

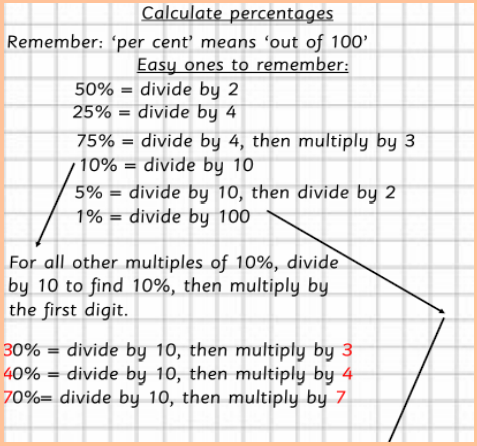
Angles in a triangle



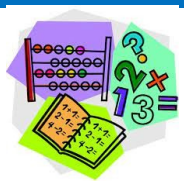
Angles in polygons and quadrilaterals

Polygon	Sides	Sum of Interior Angles
Triangle	3	180°
Quadrilateral	4	360°
Pentagon	5	540°
Hexagon	6	720°

Percentages



Maths at Home



Ideas to try at home

We will be looking at percentages next half term. Here are some fun ways to incorporate percentages at home!

1. Get your child to work out the percentage discounts for sale items when shopping.
2. Make houses on Minecraft that are a different colours—give them the percent for each colour!
3. Apply it to food and drink—If I drink 10% of this 500ml drink, how much will I have drunk? How much will be left?
4. Have a look at food labels to check the percentages of different ingredients in what they are eating.

Look what we did!

We learnt how to add and subtract fractions! Can you show your grown ups how to work this out? Remember all the steps!

$$\frac{3}{4} + \frac{7}{12}$$

Please try to spend 10-15 minutes practising times tables as often as possible to support fluency. Fast recall of times tables really helps children when they solve problems and do more complex maths!

Homework

Children will be set a weekly homework in their CPG "10 minute test" books. If your child has difficulty or needs more support, please contact your child's teacher.

The children will still have their SATs companion logins if they want to use the website for any additional practice.

It can also be used to watch any videos based on many topic areas.
Your child does not need to wait for this to be allocated– they can log on at any time and watch if they are finding a particular area tricky.

Family challenge!

25	10	5	7	4	1

Can you make the target number using only these number cards? You can only use them once but you can use any operation!