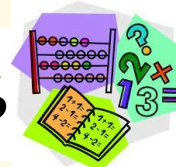




Maths Masterclass



Year 6: Summer 1

We hope you are enjoying our Maths Newsletters. We have included the strategies that we use for teaching maths in class, alongside some online resources and activities for your child to try at home.

Problem solving

We will be looking at problem solving this term which may involve working backwards and solving two step problems.

The first step is to start with the end result. The next step is to work backwards step-by-step to undo the problem. By doing this, it can be determined how much was had at the beginning.

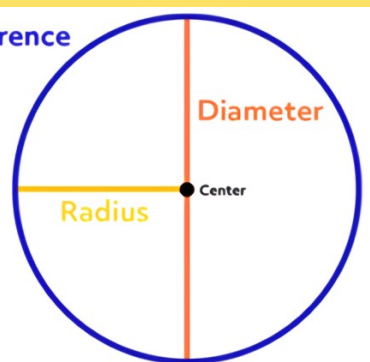
Sam's mum left a plate of cookies on the counter. Sam ate 2 of them, his dad ate 3 of them and they gave 12 to the neighbour. At the end of the day, only 4 cookies were left on the plate. How many cookies did she make altogether?

Can you solve this?

Circles

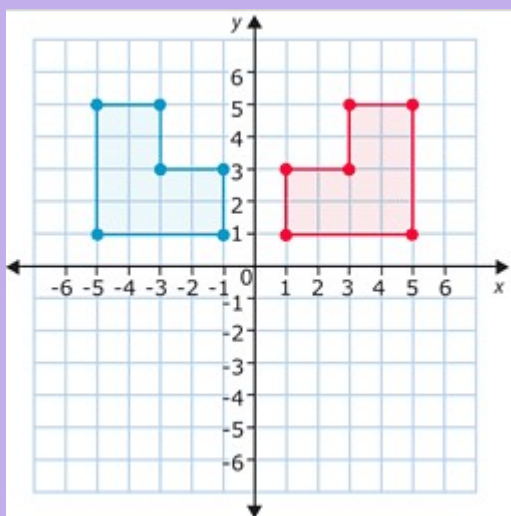
As part of our geometry, we will be looking at illustrating and naming parts of circles including radius, diameter and circumference and know that the diameter is twice the radius.

Circumference



Symmetry and reflection

Following on from our geometry unit we will be looking at symmetry and reflection. We will look at how to reflect shapes in an axis and look at lines of symmetry as part of properties of a shape.



Fractions, decimals and percentages

We will be recapping our knowledge on fractions, decimals and percentages as this is a big part of the arithmetic paper. Children will need to be able to know equivalent fractions, decimals and percentages.

Fraction	Percent	Decimal
1	100%	1.0
1/2	50%	0.5
1/3	33.3%	0.33
1/4	25%	0.25
1/5	20%	0.2
1/6	16.6%	0.166
1/8	12.5%	0.125
1/10	10%	0.1
1/12	8.3%	0.083



Maths at Home



Ideas to try at home

When I go shopping I like to try and guess the price of my groceries by rounding the prices at the till. Why don't you try next time you go shopping? Were you higher or lower than the total?

BEETROOT	£1.00
TOMATOES	£1.12
BLUEBERRIES	£0.89
TROPICANA JCE *	£2.48
SUB-TOTAL	£114.55
MULTIBUY SAVINGS	
JUICE 2 FOR £3	-1.96
TOTAL SAVINGS	-1.96
TOTAL TO PAY	112.59
CHARITY ROUND UP	£0.41
Visa SALE	£113.00

Family challenge

Money bags

Ram divided 15 pennies among four small bags.

He could then pay any sum of money from 1p to 15p, without opening any bag.

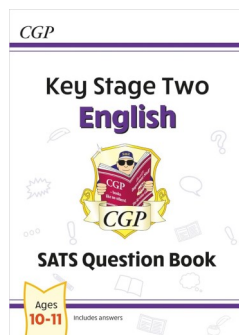
How many pennies did Ram put in each bag?



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 have to complete one ten minute test in each of their homework books—SPaG, Reading and Maths. These will be due in on a Thursday. Children are welcome to attend SATs club on a Monday to complete these with support from teachers.



Although we are not setting work on SATS companion currently, the children are still welcome to use it to practise and watch any videos on areas they still find tricky.