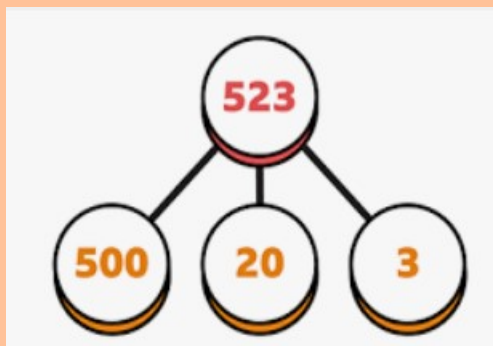# Maths Masterclass

Year 3: Spring 1

Welcome back to another Maths Masterclass Newsletter. We hope you are enjoying our Maths Newsletters. We have included the key coverage and some strategies that we use for teaching maths in class, alongside some online resources and activities for your child to try at home. We hope this helps with supporting your child at home and celebrating their success.

Place Value

Throughout this half term, we will be continuously revisiting previous knowledge to ensure the children understand the value of each digit in a 3 digit number.

We will then use this knowledge to practise writing 3 digit numbers in numerals and words.
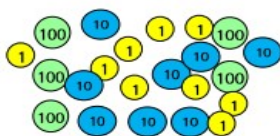
nine hundred and nineteen

three hundred and sixty-two

seven hundred and thirty-two

eight hundred and sixty-four

At home, you could play some games writing numbers in numerals and words. You could play—guess my number, what is the missing word?

We will also be counting in 50s and 100s. This easy to practise in the car or walking to school. Start at different numbers and count in steps of 50 and 100.

Which is the odd one out?

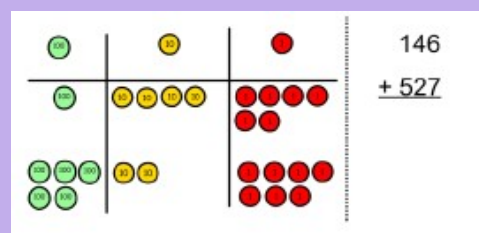Five hundreds, eighteen tens and nine ones

Six hundred and eighty-nine

Explain your answer.

Finally we will be solving number problems involving these ideas. At first, we will solve them practically and then written.

Addition and Subtraction

This half term, we will be focusing on the use of column addition and subtraction. We will be adding and subtracting numbers with up to 3-digits, ensuring we understand how to exchange accurately for this strategy. We will be applying this learning to the context of money, using pounds and pence. We will progress from fluency calculations to solving 2-step problems.

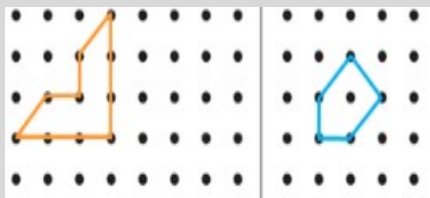Ask your child about exchanging. Can they teach you how to do

146
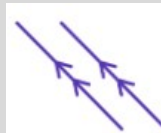+ 527

Maths at Home

Geometry

In geometry, we will be learning how to draw 2D shapes accurately. We will be marking the vertices on a grid and then using a ruler to join the marked points together. We will then identify parallel and perpendicular lines on the 2D shapes.

Try to spot parallel and perpendicular lines at home. Take some photos to show your teacher.
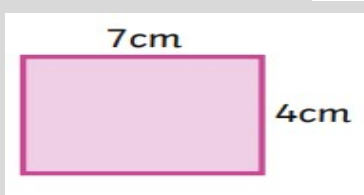
Parallel Lines

Perpendicular Lines

90°

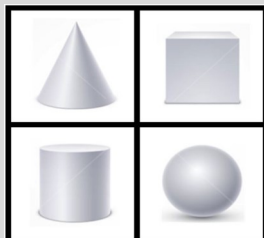We will also be measuring the perimeter of 2D shapes.

What is the perimeter of this shape? (not to scale)

7cm

4cm

Reasoning

You may have heard the teachers talking to you about developing your child's reasoning skills. This is when you are able to apply mathematical concepts in a range of ways and explain what they mean. Here is an example for you to discuss:

Find a reason why each shape doesn't belong -

Can you identify the odd one out? There is more than one possibility! Use some of the key words to describe your reasoning:

apex   faces   edges   3D
vertices   curved   straight
shaped   circular

Family challenge

Spot the Mistakes

There is **one mistake** in each example. Find it:

The time is 8:30am

35 minutes ago the time was **7:55am**

45 minutes later the time will be **8:75am**

The time is 3:35pm

25 minutes ago the time was **3:10pm**

25 minutes later the time will be **3:50pm**

The time is 11:40am

15 minutes ago the time was **11:25am**

30 minutes later the time will be **12:10am**

Let your class teacher know the mistakes that you spotted.

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!

Our next battle will be running from **Tuesday 2nd January—Monday 8th January**

Having trouble logging on? Send us an email at admin@hamble-pri.hants.sch.uk

YEAR 3: Winning class: KANGAROOS

Lots of brilliant progress with times tables across Year 3. Well done to all, keep it up!