Welcome to the KS1 and KS2 Maths Parent Workshop

PRESTON MANOR

Supporting your child with Maths at home

What you say really matters.

Talking positively about maths is proven to reduce maths anxiety.
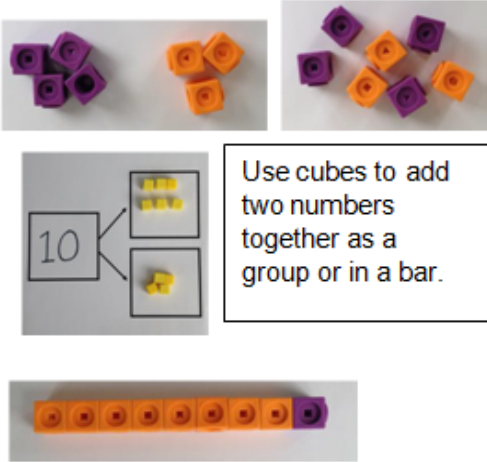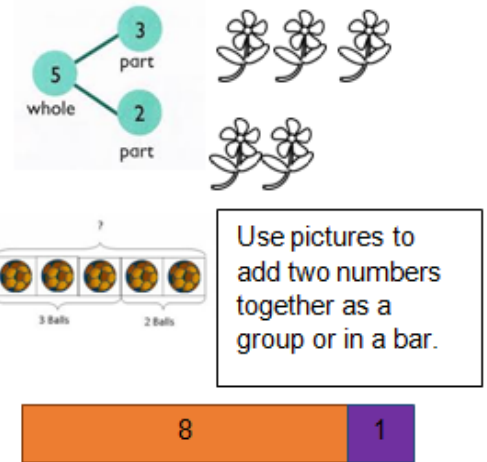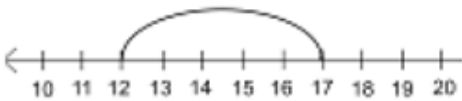
KS1 - Your child will experience maths through concrete materials, pictures and some written calculations.

Objective and Strategies	Concrete	Pictorial	Abstract
Combining two parts to make a whole: part-whole model	Use cubes to add two numbers together as a group or in a bar.	Use pictures to add two numbers together as a group or in a bar.	$4 + 3 = 7$ $10 = 6 + 4$ Use the part-part whole diagram as shown above to move into the abstract.
Starting at the bigger number and counting on	Start with the larger number on the bead string and then count on to the smaller number 1 by 1 to find the answer.	$12 + 5 = 17$ Start at the larger number on the number line and count on in ones or in one jump to find the answer.	$5 + 12 = 17$ Place the larger number in your head and count on the smaller number to find your answer.

This is often the thing that parents find difficult to interpret.
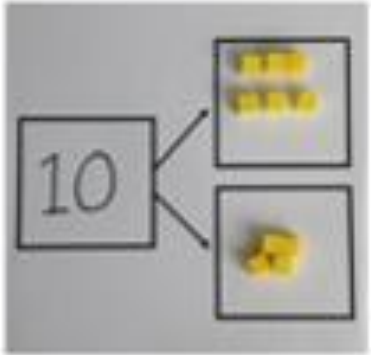
Use cubes to add two numbers together as a group or in a bar.

10

Tens	Ones

Write the calculation shown by the place value counters.

Each row has ____ tens and ____ ones.
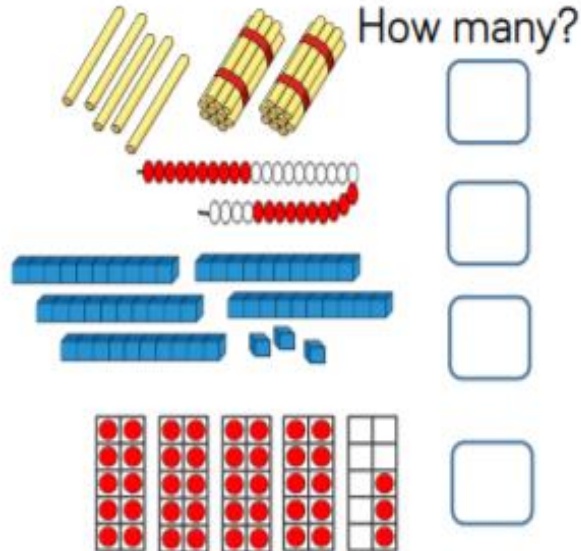
Each row has a value of ____.

There are ____ rows.

The calculation is ____ × ____ = ____.

Match the pictures and words.

- Four tens and three ones

- Two tens and five ones

- Three tens and four ones
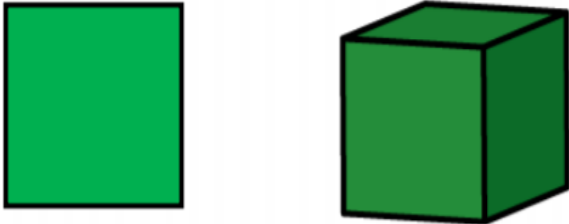
- Three ones and five tens

How many?

Remember the pictures are there to support the learning. Ask your child what they notice about the picture first. Count how many the picture represents then go from there. Support your child counting in 10s and ones not all in ones.

They will also learn to use reasoning to solve problems. Asking your child to explain how they know something is right or wrong really helps with this.

True or False?

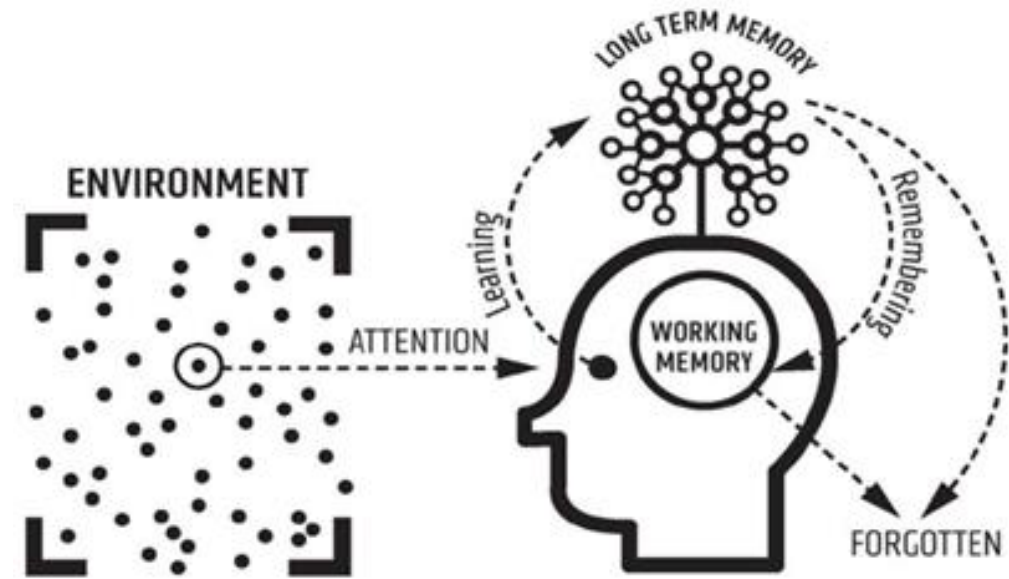Recognise 2-D and 3-D shapes

These shapes are both squares.

True or False?

1,000s, 100s, 10s and 1s

If a hundreds counter is added to the place value grid, it would represent the number 5,543

1,000s	100s	10s	1s
1,000 1,000	100 100	10 10	1 1
1,000 1,000	100 100	10 10	1
1,000	100 100		

Using everyday opportunities really helps.

KS2 - Times tables are a key to many areas of maths.

Year 2 - 2s, 5s, 10s (more if they are ready).

Year 3 - Learn as many as you can. Start with 3, 6, 4, 8, 11. Move on to 7, 9, 12 when your child is ready.

Year 4 - Know them all as well as corresponding division facts.

E.g. 4 x 8 = 32

8 x 4 = 32

32 ÷ 8 = 4

32 ÷ 4 = 8

Times tables check (June).

Years 5 & 6 - applying their knowledge of times tables.

KS1 Home Learning

Number	Words	Expanded Form	Picture
12	___tens ___ones	___ + ___ = ___	(pictures)
18	___tens 8 ones	___ + ___ = ___	
	___tens ___ones	___ + ___ = ___	(pictures)
	___tens ___ones	___ + ___ = ___	(pictures)
	___tens ___ones	___ + ___ = ___	(pictures)
	___tens 6 ones	40 + ___ = ___	
56	___tens ___ones	___ + ___ = ___	

Reasoning

1. John buys these two items with a 50p coin.

16 pence

22 pence

What change will he get? [ ]

2. The pictogram shows the number of times children have won in sports.

Sara
Bob
Andy
Jane

Who won the most cups? [ ]

How many times Bob and Jane won altogether? [ ]

Who won the least cups? [ ]

How many more did Sara won than Andy? [ ]

= 2

- Recaps and consolidates what the children have been learning.

- Helps prepare them for upcoming lessons.

- Builds maths confidence.

- Helps improve fluency.

- Please support your child with the weekly maths home learning.

KS2 Home Learning – Atom Learning

Time taken	Completed homework	Questions answered	Student score	% correct answers	Actions
09:00	On time	20/20	39.07	80%	👁 Show transcript
11:18	On time	19/20	65.20	84%	👁 Show transcript
02:24	On time	20/20	1.59	20%	👁 Show transcript
06:02	On time	20/20	59.21	80%	👁 Show transcript
37:47	On time	20/20	74.86	85%	👁 Show transcript
24:53	On time	20/20	66.30	80%	👁 Show transcript
22:50	On time	20/20	75.81	85%	👁 Show transcript
00:00	-	-	-	-	🗑 Remove pupil
14:28	On time	20/20	78.46	90%	👁 Show transcript

KS2 Home Learning – Atom

Active

□ **Stop Homework**

Summary

Questions answered correctly	13
Questions answered	19
% correct answers	68%
Total time spent	5m 27s

✓ 1. What is $336 + 425$? Use the place value chart below to help you.   22s ⌄

✗ 2. Victor has placed all his books on two shelves. He put 36 books on the first shelf and 38 books on the second shelf. How many books is that in total?   27s ⌄

✓ 3. Complete the addition below.   8s ⌄

✓ 4. What is the missing digit in the following addition?   9s ⌄

✗ 5. What is $505 + 94$? Use the following place value chart to help you.   14s ⌄

✓ 6. Mark found the following problem in his maths homework:

$$45 - 24$$

He used a place value chart to get the answer. What answer did Mark get?   12s ⌄

A 64   B 76   C 72   D 74   E 84

Explanation

Column Addition

$$3^1 \quad 6$$
$$+ \quad 3 \quad 8$$
$$\overline{\quad 7 \quad 4 \quad}$$

To solve this addition, we can use the column method, starting from the right-most column:

- **Ones:** $6 + 8 = 14$ ones. Since each place value column can only numbers from 0 to 9, we write 4 here and exchange the remaining 10 ones for 1 ten, and move it to the next column.

- **Tens:** $3 + 3 + 1 = 7$ tens. So, we write 7 under the line.

- Thus, Victor has stacked **74** books on the two bookshelves in total.

Tens	Ones
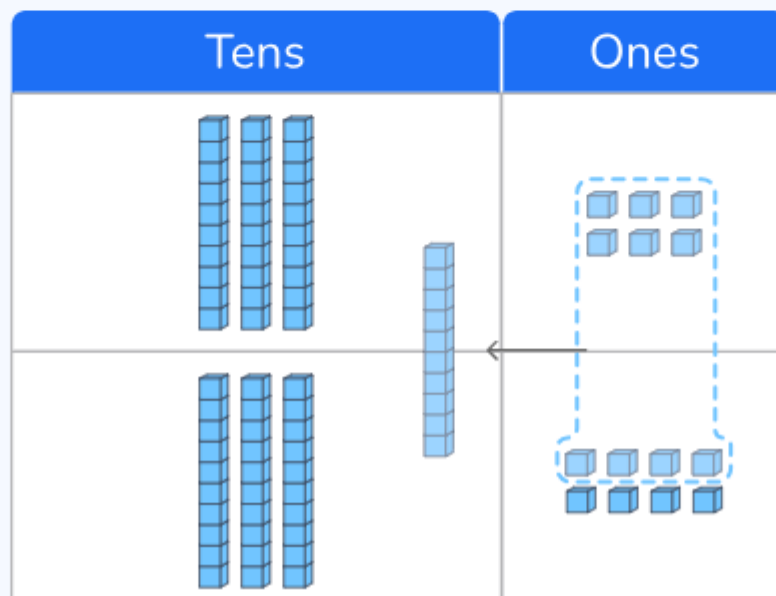
Please play games

- **Snakes and ladders** – as it is, vary dice numbers
- **Guess Who?** – systematic working, exploring possibilities
- **Junior Monopoly** – money
- **Cluedo** – strategy
- **Battleships** – coordinates and strategy
- **Noughts and crosses** – strategy
- **Connect 4** – strategy
- **Bingo/beetle drive**
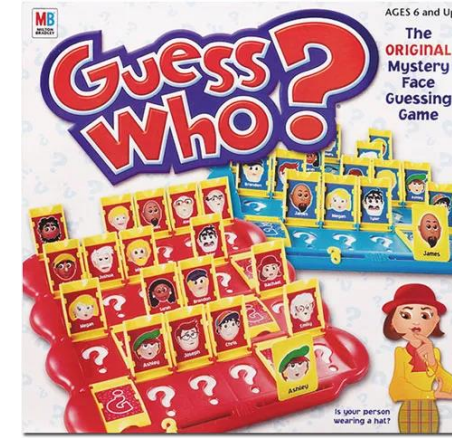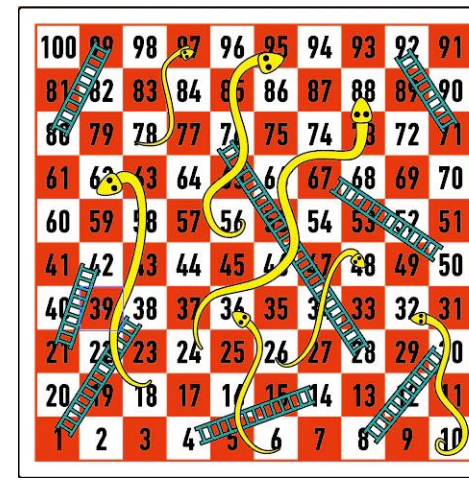
Websites to support learning.

These are websites which the school subscribes to. Your child has a login and password for each of them.

TT Rockstars – this is a fun way to learn times tables.
https://ttrockstars.com/

Purple Mash – there are lots of games and activities to support all areas of maths.
https://www.purplemash.com/login/

These websites are free and fun to use.

https://www.topmarks.co.uk/

https://www.timestables.co.uk/

https://www.education.com/games/math/

CGP Books

And finally…..