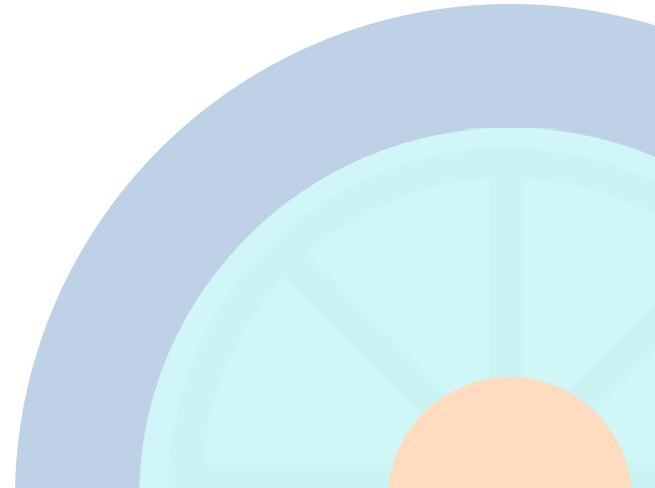




Portway Junior School Year 3 Maths Workshop to Parents'



Portway Junior School



▶▶ Aims of maths workshop:

- A. The maths process – how we teach your children maths and develop into confident, fluent, independent mathematicians.
- B. Helping your child – useful strategies to support your child at home.
- C. Useful links and resources – links and resources to make maths enjoyable for you and your child.



Aims for our pupils:

- To develop a growth mindset and positive attitude towards mathematics.
- To become confident and fluent with numbers
- To become problem solvers
- To develop their use of mathematical language.
- To become independent learners and to work cooperatively with others.
- To appreciate real-life contexts to learning in mathematics.





Mastery:

In mathematics, you know you've mastered something when you can apply it to a totally new problem in an unfamiliar situation.

For example driving a car –can you drive in different weather conditions? Different make/model?

Fluency

Fluency in maths is about developing number sense and being able to choose the most appropriate method for the task at hand; to be able to apply a skill to multiple contexts. The National Curriculum states that pupils should become fluent in the fundamentals of mathematics through varied and frequent practice.



▶▶ How we teach maths:

5 x maths lessons a day for an hour

Early morning activity – fluency questions (+-x/)

Concrete, pictorial and abstract

Modelling

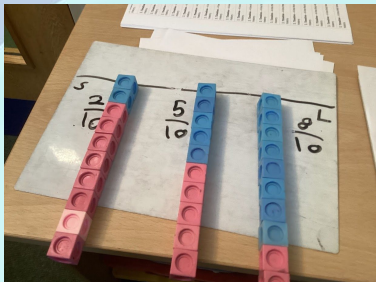
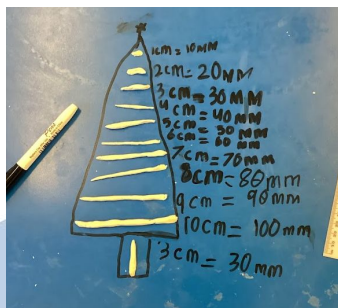
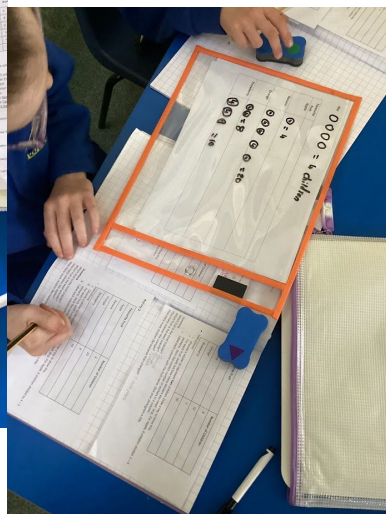
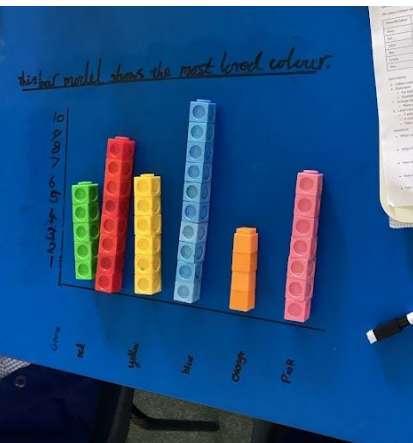
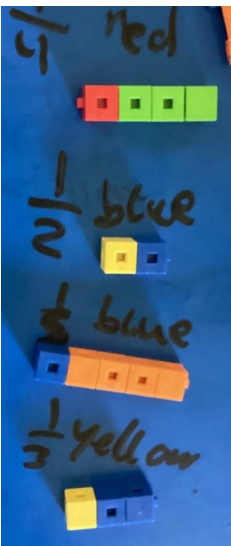
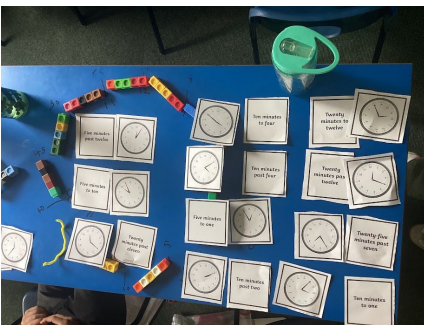
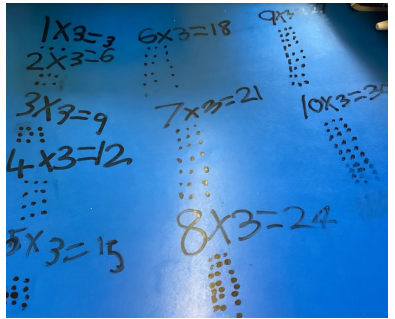
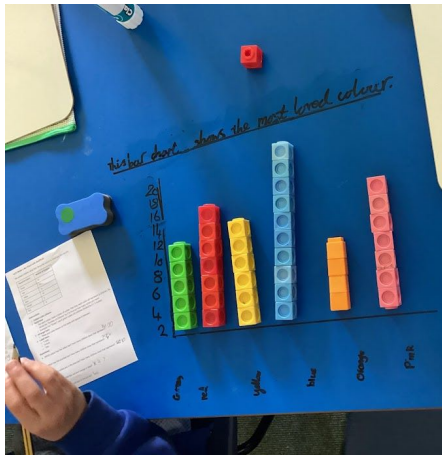
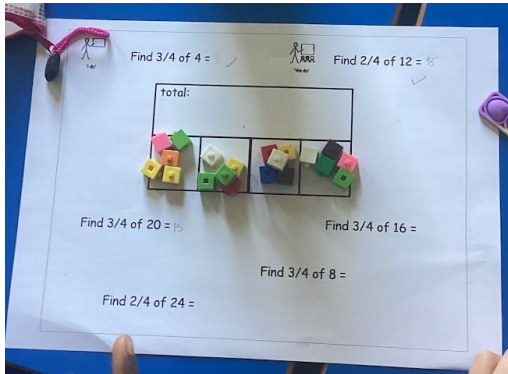
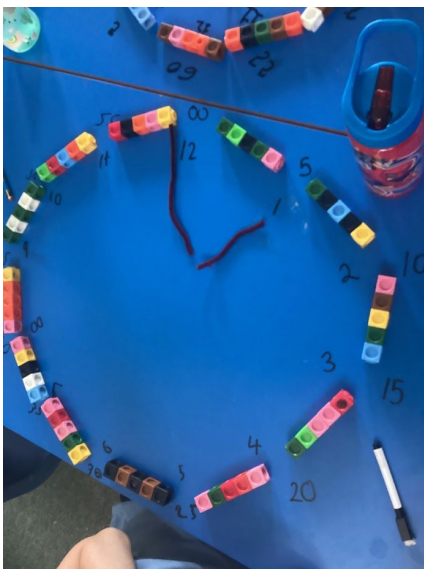
Reciprocal curriculum

Times table practise

End of term assessments



How we teach maths:



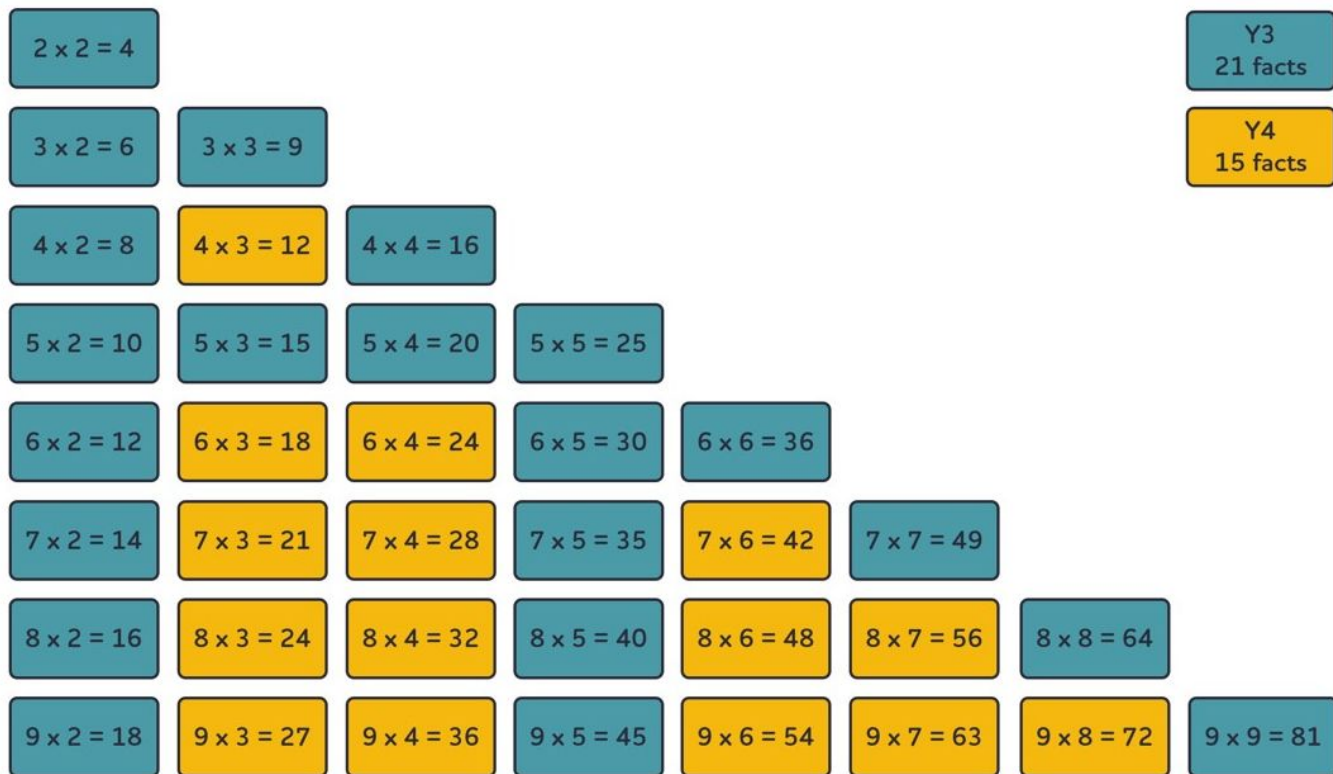
Times Tables

- **Year 1** Count in multiples of 2, 5 and 10. Recall and use doubles of all numbers to 10 and corresponding halves.
- **Year 2** Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables.
- **Year 3** Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
- **Year 4** Recall multiplication and division facts for all multiplication tables up to 12×12 .
- **Year 5** Revision of all times tables and division facts up to 12×12 .
- **Year 6** Revision of all times tables and division facts up to 12×12 .

Multiplication Table

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144







How you can help your child:
Speak positively about mathematics !

Ensure pupils practise being flexible with their facts.

Skip count backwards and forwards.

Start from different points in the times tables.

Mix in related division facts -you could use flash cards.

Vary the activities they use to practise. This will help keep it fresh and will help ensure they develop number sentence.

Play with numbers and shapes through games.

Correct number formation.

Seeing mistakes as an opportunity to learn and using them as a discussion point.

Encourage them to be problem solvers – asking 'Why?', 'How?' or 'Prove it!' rather than simply giving answers.

Recognising the **importance** and value of Maths in our everyday lives e.g. managing money and telling the time.



▶▶ Maths game to develop fluency

- [CBeebies](#) have lots of fun and interactive games and activities to help get our younger children excited about Maths
- [I See Maths](#) - a useful site with a plethora of ideas for fun games that all the family
- [Primary Games Arena](#) - It is a free website that encourages children to play online maths games linked to their home learning. It breaks the games down into concepts which is really helpful.
- [Hit the Button](#) - children love this game as it helps to increase confidence through practising times tables and number bonds.
- [Maths Zone](#) - this site is jam-packed with fun ways to learn more about maths.
- [BBC Bitesize](#) - lots of information alongside short videos help to make the learning enjoyable and accessible for all children.
- <https://www.topmarks.co.uk/> - this site is jam-packed with fun ways to learn more about maths.

