


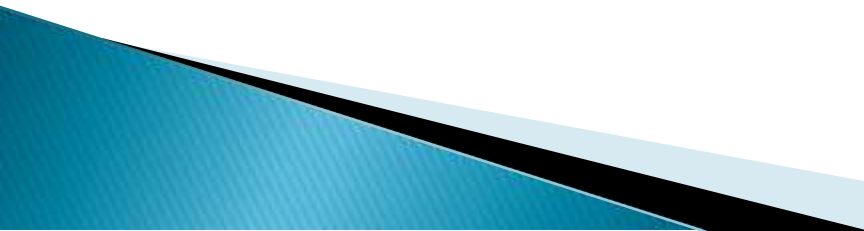


Year 4 Mathematics Workshop 2019


Aims of the workshop

- ▶ To give an overview of how Mathematics is taught and the methods used in Year 4
 - ▶ To give ideas on how to support your child at home in mathematics
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Mathematics Today

- ▶ Building blocks essential
 - ▶ Using a range of progressive methods to suit children's needs
 - ▶ Encouraging children to explain their methods and develop their understanding (reasoning)
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How is mathematics taught in the Juniors?

- ❖ Mathematics lessons are a balance of whole class work, independent activities and guided groups
 - ❖ Mental mathematics - consolidate and practice
 - ❖ Rainbow Times Table Scheme
 - ❖ Formal written methods and informal jottings
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How is mathematics taught in the Juniors?

- ❖ Areas of mathematics: number; four operations; fractions and decimals; shape, space & measure and statistics
 - ❖ Arithmetic
 - ❖ Reasoning as a key focus
 - ❖ Real life learning opportunities and problem solving
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Year 4 Addition

- Column Method up to four digits, including decimals

$$\begin{array}{r} 5367 \\ + 2185 \\ \hline 7552 \end{array}$$

1 1

Year 4 Addition

Try using the column addition method:

$$6728 + 3856 =$$

Year 4 Subtraction

- Column Method up to four digit numbers, including decimals

$$3218 - 1645 =$$

$$\begin{array}{r} \overset{2}{\cancel{3}} \overset{11}{\cancel{2}} \overset{1}{\cancel{1}} 8 \\ - 1645 \\ \hline 1573 \end{array}$$

Year 4 Subtraction

Try using the column subtraction method:

$$5748 - 397 =$$

Year 4 Multiplication

- Expanded Multiplication Method

$$\begin{array}{r} 37 \\ \times \quad 8 \\ \hline 56 \\ 240 \\ \hline 296 \end{array}$$

Year 4 Multiplication

Try using the expanded multiplication method:

$$43 \times 7$$

Year 4 Multiplication

- Short Multiplication Method

$$\begin{array}{r} 37 \\ \times \quad 8 \\ \hline 296 \\ \hline 5 \end{array}$$

Year 4 Multiplication

Try using the short multiplication method:

$$54 \times 6$$

Year 4 Division

- Bus Shelter Method

$$322 \div 7$$


	0	4	6
7	3	³ 2	⁴ 2

Year 4 Division

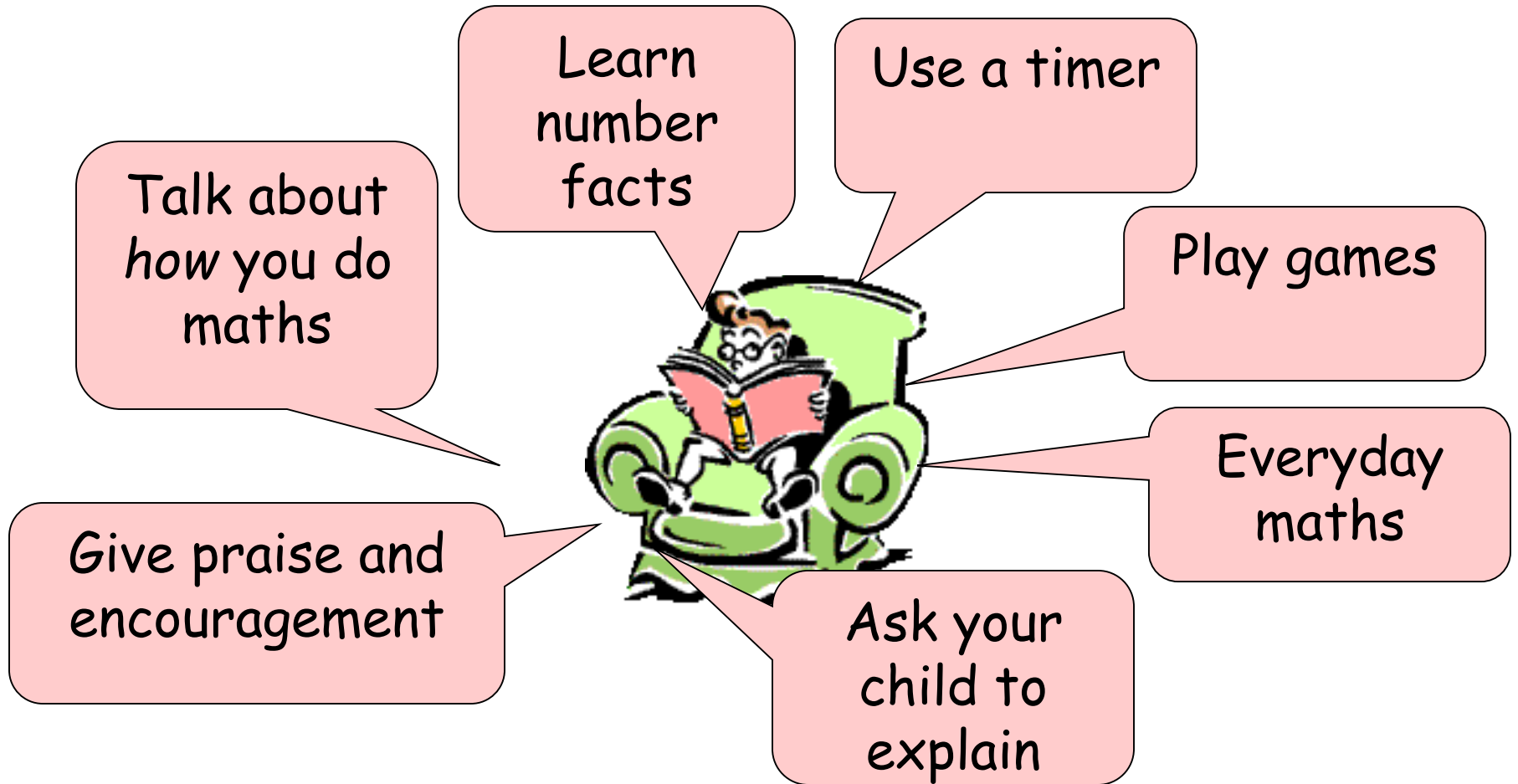
Try using the bus shelter method:

$$954 \div 6 =$$

How can you help your child in mathematics?

- ❖ Support children in using the four operations (arithmetic)
 - ❖ Mental mathematics - speed and accuracy
 - ❖ Multiplication and division facts for all the times tables up to 12×12
 - ❖ Multiplying/Dividing by 10 and 100 by shifting digits (secure place value)
 - ❖ Time - telling the time, differences and timetables (applying)
 - ❖ Weight and measure
 - ❖ Money - paying, receiving change, totalling combinations
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How can you help?



Make sure maths is fun!

Rainbow level: Indigo

Your times table targets are:

- Step 1: knowing the 7 and 11 x tables off by heart
- Step 2: knowing the 7 and 11 x tables out of order
- Step 3: knowing the division facts for the 7 and 11 x tables
(Keep practising your 10, 5, 2, 4, 8, 3, 6 and 9 x tables as well!)



Rainbow level: Violet

Your times table targets are:

- Step 1: knowing the 12 x table off by heart
- Step 2: knowing the 12 x table out of order
- Step 3: knowing the division facts for the 12 x table
(Keep practising all your other x tables as well!)

