


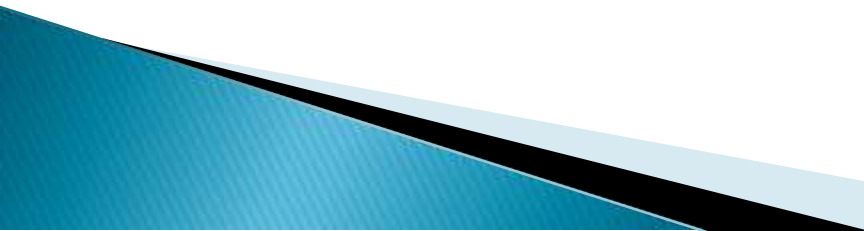


# Year 3 Mathematics Workshop 2019


# Aims of the workshop

- ▶ To give an overview of how Mathematics is taught and the methods used in Year 3
  - ▶ 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
  - ❖ Formal written methods and informal jottings (Arithmetic)
  - ❖ Rainbow Times Table Scheme
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# Year 3 Addition

- Column Method

$$48 + 36 =$$

$$\begin{array}{r} 48 \\ + 36 \\ \hline 84 \\ \hline 1 \end{array}$$

## Year 3 Addition

Try using the column addition method:

$$89 + 65 =$$

# Year 3 Subtraction

- Column Method

$$218 - 45 =$$

$$\begin{array}{r} \overset{1}{\cancel{2}}18 \\ - \quad 45 \\ \hline 173 \end{array}$$

## Year 3 Subtraction

Try using the column subtraction method:

$$154 - 72 =$$



# Year 3 Multiplication

## Grid method

$$\begin{array}{r|rr} X & 40 & 4 \\ \hline 3 & 120 & 12 \end{array}$$

$$\begin{array}{r} 120 \\ + \underline{12} \\ \hline 132 \end{array}$$

# Year 3 Multiplication

Try using the grid method by partitioning:

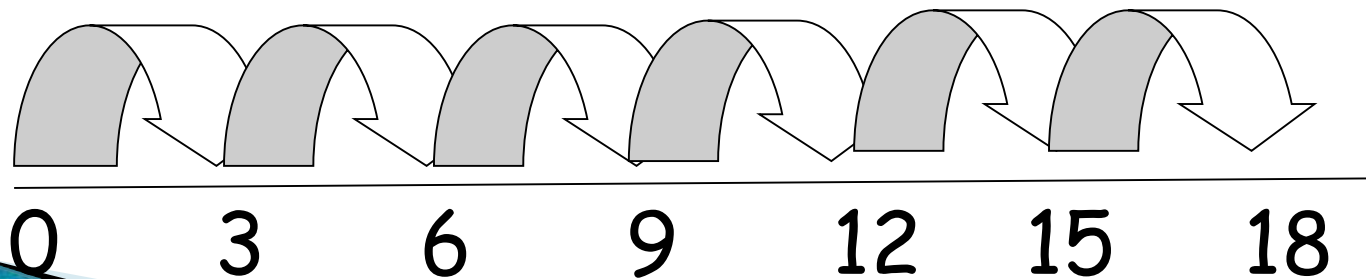
$$57 \times 3 =$$

# Year 3 Division

- Grouping

$18 \div 3$  can be modelled as:

How many 3's make 18?



## Year 3 Division

Try using the grouping method:

$$24 \div 4 =$$

# Year 3 Division

- Bus Shelter Method

$$72 \div 3:$$


$$\begin{array}{r} 24 \\ 3 \overline{) 72} \end{array}$$

## Year 3 Division

Try using the bus shelter method:

$$56 \div 4 =$$

# How can you help your child in mathematics?

- ❖ Support children in using the four operations
  - ❖ Mental mathematics - speed and accuracy
  - ❖ Learn number facts - bonds, multiplication and division facts
  - ❖ Multiplying/Dividing by 10 and 100 by shifting digits
  - ❖ Time - telling the time, differences and timetables
  - ❖ Weight and measure
  - ❖ Money - paying, receiving change, totalling combinations
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## Rainbow level: Green

Your times table targets are:

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





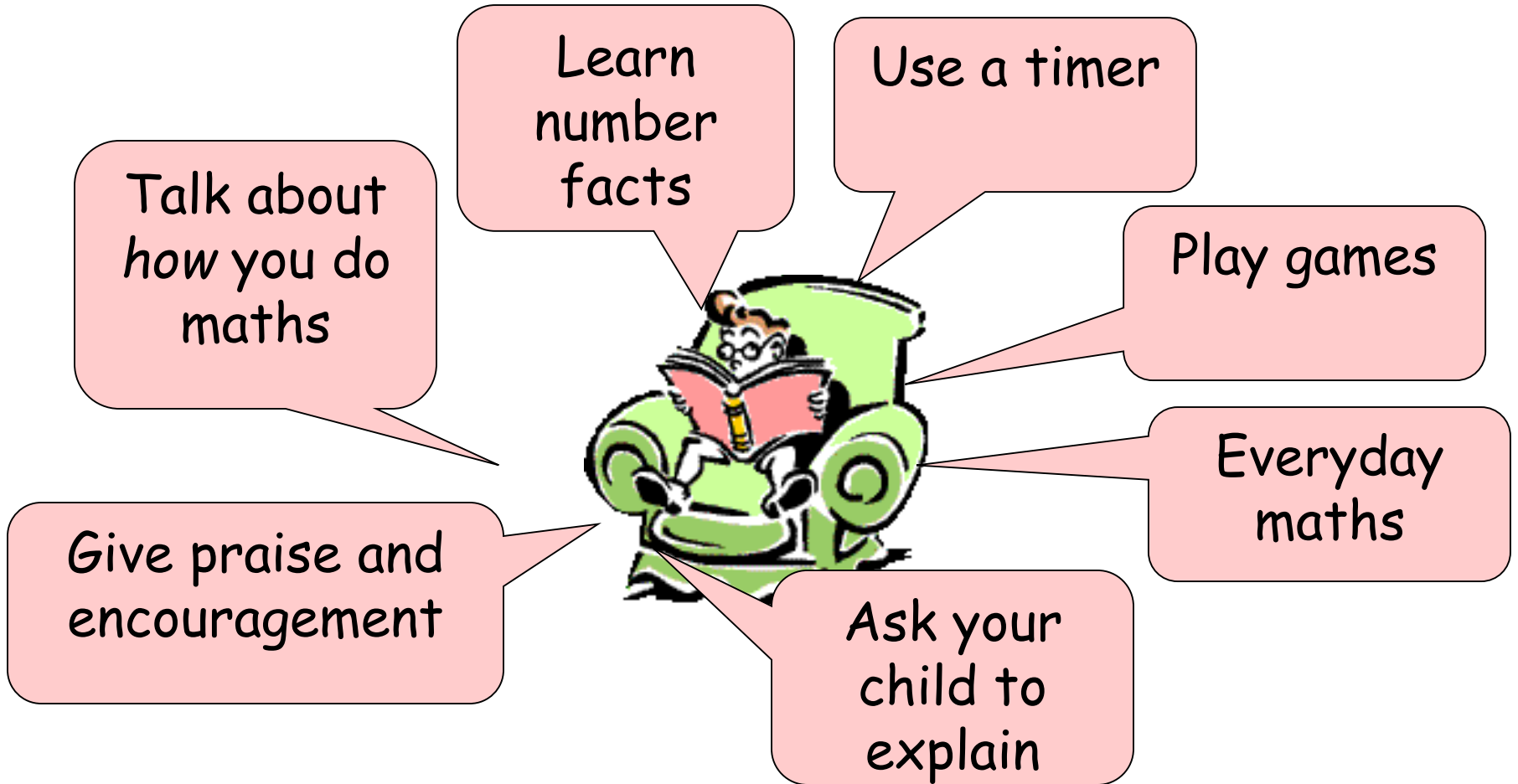
## Rainbow level: Blue

Your times table targets are:

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



# How can you help?



**Make sure maths is fun!**