


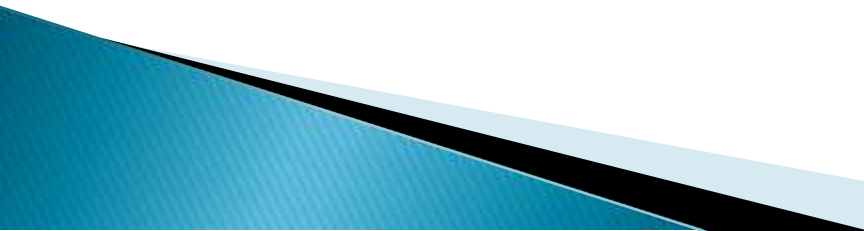


# Year 5 Mathematics Workshop 2019


# Aims of the workshop

- ▶ To give an overview of how Mathematics is taught and the methods used in Year 5
  - ▶ 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?

- ❖ Wide variety of areas of mathematics
  - ❖ Arithmetic
  - ❖ Reasoning as a key focus
  - ❖ Rainbow Times Table Scheme
  - ❖ Real life learning opportunities/ problem solving
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# Year 5 Addition

- Column Method with numbers up to five digits (including up to 2 decimal places)

$$751.05 + 820.97 =$$

	7	5	1	0	5
+	8	2	0	9	7
	1	5	7	2	0
	1		1	1	

## Year 5 Addition

Try using the column addition method:

$$843.64 + 397.8 =$$


# Year 5 Subtraction


- Column Method with numbers up to five digits (including up to 2 decimal places)

$$596.42 - 84.78 =$$

	5	9	<del>6</del> <sup>5</sup>	<del>4</del> <sup>13</sup>	'2
-		8	4	·	7 8
	5	1	1	·	6 4

# Year 5 Subtraction

Try using the column subtraction method:

$$948.56 - 587.95 =$$




# Year 5 Multiplication

- Long Multiplication Method (up to four digits by a one/two digit number):

$$3421 \times 28 =$$

	3	4	2	1	
x			2	8	
<hr/>					
2	7	3	6	8	
6	<sup>3</sup> 8	<sup>1</sup> 4	2	0	
<hr/>					
9	5	7	8	8	
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# Year 5 Multiplication

Try using the long multiplication method:

$$4832 \times 54 =$$

# Year 5 Division

- Bus Shelter Method (dividing numbers up to four digits by a one digit number including remainders)

$$8623 \div 2 =$$

	4	3	1	1	r1
2	8	6	2	3	

# Year 5 Division

- Bus Shelter Method with decimal remainders

$$8623 \div 2 =$$

A photograph of a handwritten division problem on a grid. The grid is 2 rows by 6 columns. The top row contains the numbers 4, 3, 1, 1, and a decimal point followed by 5. The bottom row contains the numbers 2, 8, 6, 2, 3, and a decimal point followed by 0. This represents the division  $8623 \div 2 = 4311.5$ .


	4	3	1	1	.	5
2	8	6	2	3	.	0

# Year 5 Division

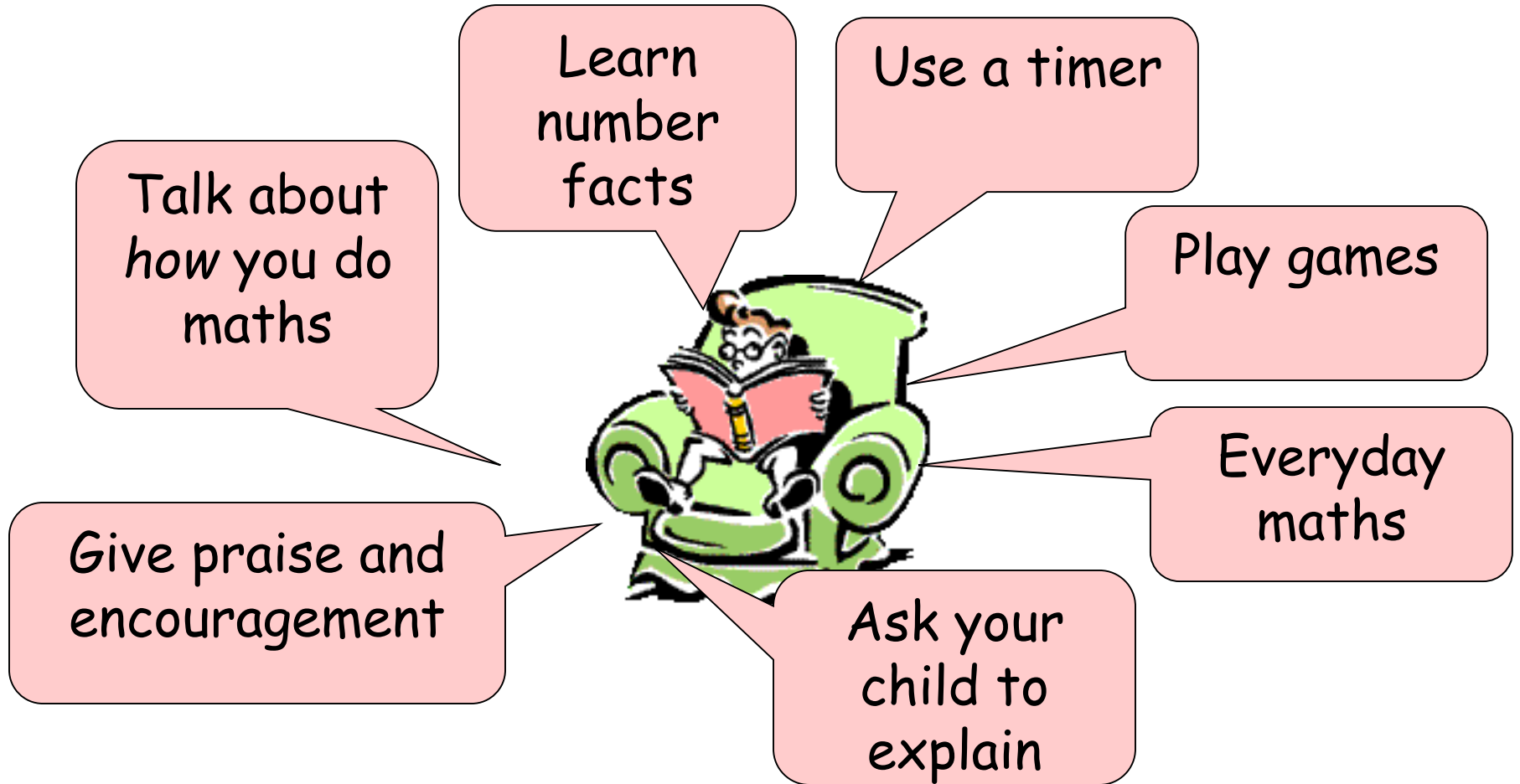
Try using the bus shelter method:

$$4828 \div 5 =$$

# How can you help your child in mathematics?

- ❖ Support children in using the four operations
  - ❖ Mental mathematics - speed and accuracy
  - ❖ Multiplication and division facts for all the times tables up to  $12 \times 12$
  - ❖ Multiplying/Dividing by 10 and 100 by shifting digits
  - ❖ Time - telling the time, differences and timetables
  - ❖ Weight and measure
  - ❖ Fractions, decimals and percentages
- 

# How can you help?



**Make sure maths is fun!**