

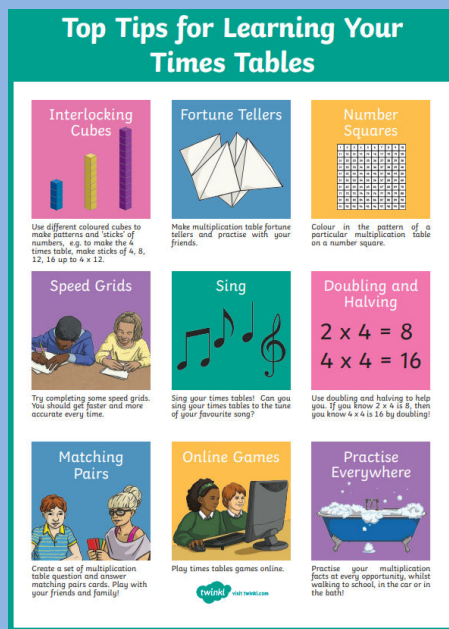
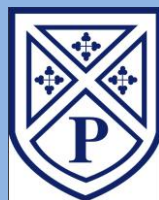
Parkside Middle School – How to support your child in KS2 with key skills.

Help your child learn their times tables and division facts

Learning times tables and related division facts is a really important basic skill, as they are used throughout the Maths Curriculum all the way to GCSE. Pupils should know them by the end of year 4, but need to continue to practise! Recall needs to be automatic to stop brain overload when working on harder questions!

Reading: Share a book with your child

Reading is still important in a digital world. Take time to read a book or magazine with your child or listen to them read. Did you know reading aloud benefits ALL children, especially those that struggle? Practising reading makes other lessons easier and sets your child up for the future. Reading 20 minutes a day can affect your child's attainment in all subjects.



10 BENEFITS OF READING FOR KIDS

1. Bonding & connection
2. Improves listening skills
3. Builds attention span
4. Increases creative thinking
5. Cognitive & language skills
6. Expands vocabulary
7. Teaches life lessons
8. Limits screen time
9. Improves social & emotional development
10. Improves motor skills & coordination



Use Times Table Rock Stars Or Hit the Button

Read anything, anywhere!
Remember Bromsgrove Library is free!

Welcome to the Year 5 Maths and English Morning

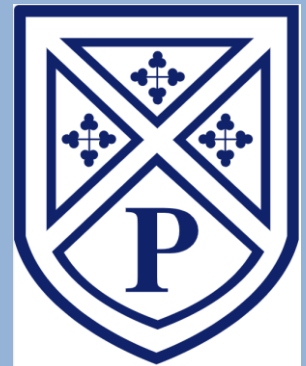
Timings of the morning:

- 9:20am – Parents/carers start to arrive
- 9:30 – 10am - Introduction to year 5 Maths (Mrs Cox)
- 10:05 – 10.55am – Join your child's Maths lesson
- 10.55am – 11.25am – Refreshments with year 5 team (Middle Hall)
- 11:30 – 12pm – English in year 5 (Mrs Wright)



Safeguarding:

- All parents must be supervised around the building
- All mobile phone must be switched off or on silent. We kindly request that these are not be used in school.



Embrace Opportunity. Nurture Success. Inspire Futures.

Toolkit of skills and knowledge to develop fluency

Understanding
equivalence

Number
bonds and
related facts

Partitioning in
different ways

Multiplication facts
and related facts

Rounding

Doubling and
Halving

Place
Value

Knowledge of
the number line
and counting

Inverse



Expectations:

- The pupils are expected to know their times table to 12 x 12 by the end of year 4.
 - KS2 - 66 times tables test
 - Times Tables Rock Stars
<https://ttrockstars.com/login>
 - Hit the Button
<http://www.topmarks.co.uk/maths-games/hit-the-button>
 - Number bonds/doubling and halving
 - Daily 10
<https://www.topmarks.co.uk/maths-games/daily10>

Fluency and over-learning:

$2 + 8 =$	$20 + 80 =$	$200 + 800 =$	$2000 + 8000 =$	$20000 + 80000 =$
$4 + 9 =$	$40 + 90 =$	$400 + 900 =$	$4000 + 9000 =$	$40000 + 90000 =$
$7 + 7 =$	$70 + 70 =$	$700 + 700 =$	$7000 + 7000 =$	$70000 + 70000 =$
$12 + 8 =$	$120 + 80 =$	$1200 + 800 =$	$12000 + 8000 =$	$120000 + 80000 =$
$19 + 9 =$	$190 + 90 =$	$1900 + 900 =$	$19000 + 9000 =$	$190000 + 90000 =$
$25 - 8 =$	$250 - 80 =$	$2500 - 800 =$	$25000 - 8000 =$	$250000 - 80000 =$

Related Facts

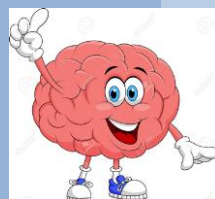
What do you notice?

What are you doing in the 3rd set of numbers?

How could you check your answers are correct?

	$\times 3$	$\times 30$	$\times 300$	$\times 3000$	$\times 0.3$
$\times 0$					
$\times 1$					
$\times 2$					
$\times 3$					
$\times 4$					
$\times 5$					
$\times 6$					
$\times 7$					
$\times 8$					
$\times 9$					
$\times 10$					
$\times 11$					
$\times 12$					

5Qs Calculation Challenges



These are brain-training activities which are designed to help the pupils remember and recall their maths learning. We call this: 'BrainHide and Seek'!

Four Rules of Number

By the end of year 5 pupils are expected to:

- Add numbers with more than 4 digits
- Subtract numbers with more than 4 digits
- Multiply a 4-digit number by a 1 and 2 digit number
- Divide 4-digit numbers by 1 digit

Calculations Policy in Pupil Handbook and on School Website

+ Addition +

Column Addition

$19.01 + 3.65 + 0.7 =$

	7	5	4	9				1	9	.	0	1
+	6	8	5	3					3	.	6	5
1	4	4	0	2				+	0	.	7	0
	1	1	1						2	3	.	3
									1	1		

← Place holder 0

£	1	2	.	8	5
+	£		8	.	7
	£	2	1	.	6
		1	1		1

‘Exchange’



- Subtraction -

Column subtraction

$43762 - 9354 =$ $225.7 - 82.34 =$

	3	1	3	7	5	1			1	1	5	.	7	0
-		9	3	5	4				8	2	.	3	4	
	3	4	4	0	8				1	7	3	.	3	6

Place holder 0

‘Exchange’



FOUR RULES OF NUMBER

× Multiplication ×

Short Multiplication Long Multiplication

	5	4	6	3
×				9
4	9	1	6	7
	4	5	2	

		2	4	7
		×	2	3
		7	4	1
		1	2	
+	4	9	4	0
	5	6	8	1
	1			

x10 then x2
Place holder 0

	2	.	4	7
×				6
1	4	.	8	2
	2		4	

‘Lots of’




÷ Division ÷

Short division by 1 digit Short division by 2 digits

1	4	4	5	÷	4
	0	3	6	1	r 1
4	1	14	24	5	

or 3 6 1 . 2 5

or 3 6 1 $\frac{1}{4}$

	4	5	5	0	÷	1	4
		0	3	2	5		
1	4	4	45	35	70		

Multiples of 14:

1 4, 2 8, 4 2, 5 6,
7 0, 8 4

‘Groups of’

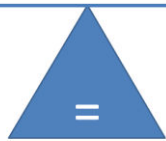


MATHEMATICAL IMAGES

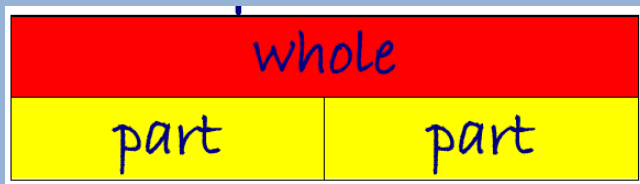
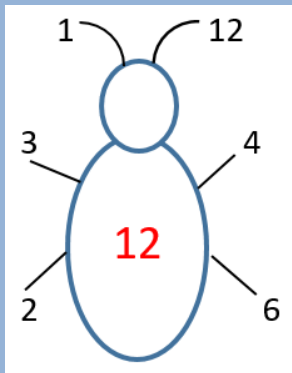
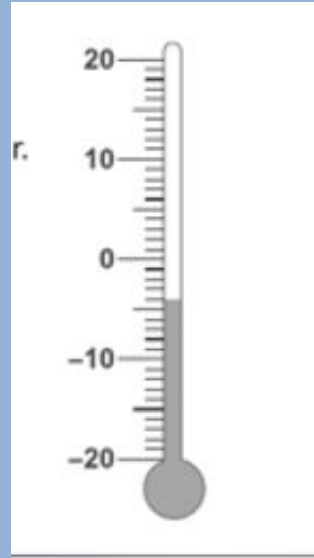
Images are used all the time in maths to help pupils understand different skills and concepts.

Balance Model

$$25 + 26 = 25 \times 2 + 1$$



'same as'



100	
25	25
25	25

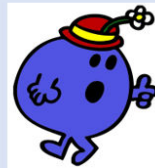
Whole Numbers								Part Numbers		
Millions		Thousands			Units			$\frac{1}{10}$ 0.1	$\frac{1}{100}$ 0.01	$\frac{1}{1000}$ 0.001
TM	M	HTh	TTh	Th	H	T	O	t	h	th

The decimal point is the most boring thing in Maths – it never moves!

Nearest 1,000:

↓
3739 $\approx$ 4000

Bossy Number says,
"Round up!"



$$3.45 \times 100$$

'Steps' Image:

$$\begin{array}{r} 3.45 \\ 345 \end{array}$$

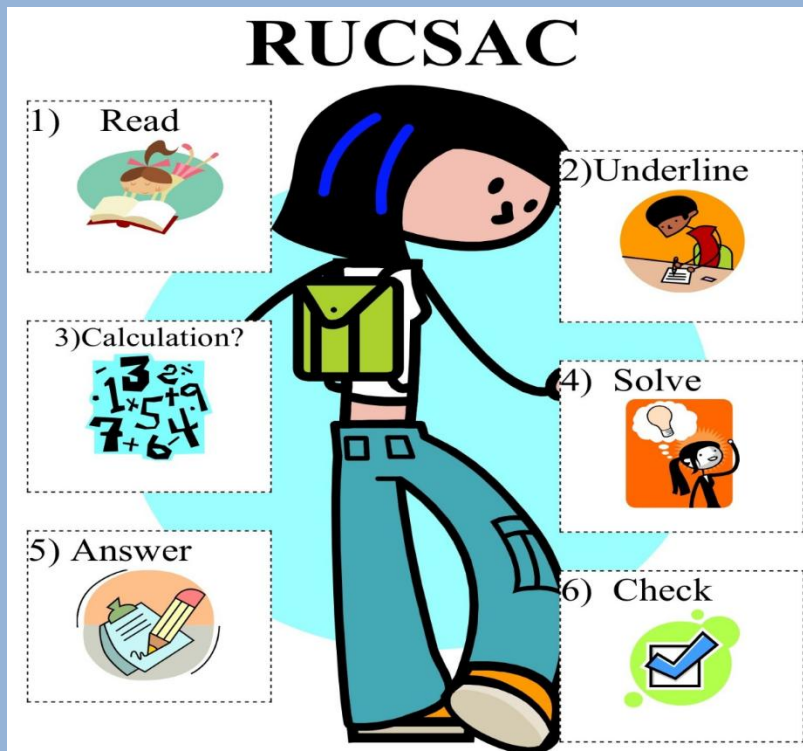
$$12 \div 100$$

'Steps' Image:

$$\begin{array}{r} 12. \\ 0.12 \end{array}$$

WORDED QUESTIONS

RUCSAC is used throughout the school to help break down real-life worded questions. These questions can have more than one step, so will use different maths skills.



Remember you could draw a picture or diagram to help you, or even act out the problem!

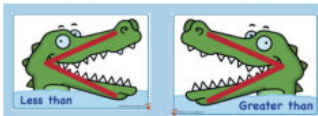
Does the question need 1, 2 or 3 steps of working out?

Oracy – Speak like a Specialist!

Pupil Handbook



- Use and understand key language
- Explain using mathematical terms

Maths		Basic Vocabulary for Maths	
Addition $+$ Total Increase Altogether Plus Sum Add		Subtraction $-$ Difference Take away Left over Decrease Fewer How much more...	
Multiplication $\times$ Lots of Multiply Times Repeated Addition Product Array		Division $\div$ Groups of Share Equal groups Repeated Subtraction Each Divide by	
Equal to $=$ <u>Balance Model</u> $25 + 26 = 25 \times 2 + 1$  'same as'		Inequalities $\leq < > \geq$  E.g. $3654 < 4756$ 3654 is less than 4756	

School Website

- Curriculum Area or Year 5 Area:
- Models and Images
- Calculation Policy
- KPIs and Milestones
- [Mathematics - Parkside Middle School](#)

Maths Homework

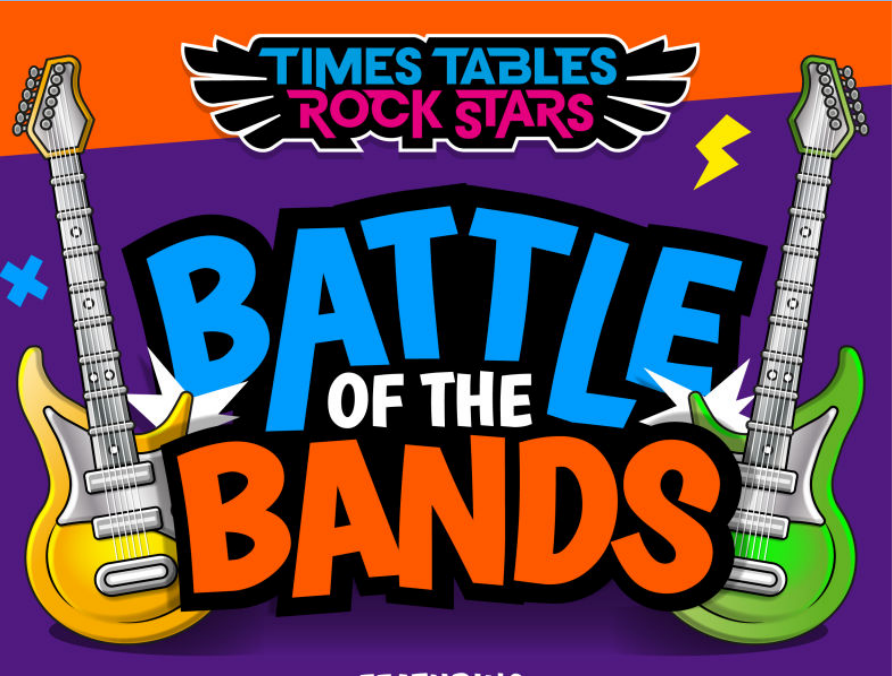
Maths homework can be on a digital platform or on paper. Homework may consist of a current skill and re-visited skill for consolidation as well as times tables.

www.mymaths.co.uk

- Username: Parkside2 Password: square169
- Each child will then have their individual log in on P5 of their handbook.
- Used for homework, but also has an attached lesson/video they can work through which is very useful.
- **USE THE PUPIL HANDBOOK!**

Homework: Times tables and Times Table Rock Stars

Let battle commence!



1st October - 31 October 2025

07:00 - 21:00

Sausage and Math (5AH/SP)

Rocktagons (5SN/VD)

1st October - 31 October 2025

07:00 - 21:00

Maths potato (6LG)

Black Add Peas (5JP)

Pump up the Volume (6CWi)

1st October - 31 October 2025

07:00 - 21:00

Maroon 5 squared (6RC)

Red Hot Chili Numbers (6GS)

Arctic Money (6NJM)

1st October - 31 October 2025

07:00 - 21:00

Year 6

Year 5

1st October - 31 October 2025

07:00 - 21:00

Take That Away (5/6RS)

21 Pie Charts (6EO)

1st October - 31 October 2025

07:00 - 21:00

Panic! At the Division (5OL)

Little Mixed Numbers (5JB)

KS2 ROCKTOBER

Maths Groups

Loose groupings, we will look at moving some pupils after half term. However, it is vital the child is in the right group being taught at the right pace.

Miss Sumner

Miss Lewis

Mrs Bennison

Mrs Papadopoulos

Mrs Harper/Mrs Persich

Mrs Dallaway/Mrs Norris