Welcome to the Year 5 Maths and English Morning

Timings of the morning:

9:30 – 9.55am - Introduction to year 5 Maths (Mrs Cox)

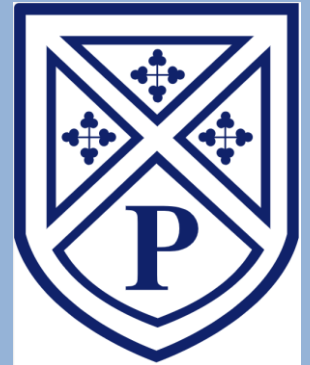10 – 10.55am – Join your child's Maths lesson

10.55am – 11.25am – Refreshments with year 5 team (Food Room)

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.

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:

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 =

What do you notice?

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

How could you check your answers are correct?

Related Facts

	× 3	× 30	X 300	X 3000	X 0.3
X 0					
X 1					
X 2					
X 3					
X 4					
X 5					
X 6					
X 7					
X 8					
X 9					
X 10					
X 11					
X 12					

5Qs
Calculation Challenges
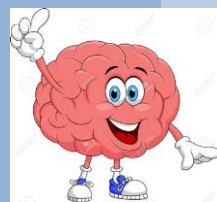
These are brain-training activities which are designed to help the pupils remember and recall their maths learning. We call this:
'Brain Hide and Seek'!

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

FOUR RULES OF NUMBER

Addition

Column Addition

$19.01 + 3.65 + 0.7 =$

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

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

Place holder 0

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

'Exchange'

Subtraction

Column subtraction

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

Place holder 0

	³4̸	¹3	7	⁵6̸	¹2
-		9	3	5	4
	3	4	4	0	8

	¹2̸	¹5	5	.	⁶7̸	¹0
-		8	2	.	3	4
	1	7	3	.	3	6

'Exchange'

Multiplication

Short Multiplication

	5	4	6	3
×				9
4	9	1	6	7
	4	5	2	

	2	.	4	7
×				6
1	4	.	8	2
	2		4	

Long Multiplication

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

×10 then × 2 Place holder 0

'Lots of'
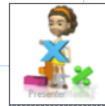
Division

Short division by 1 digit

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	1/4		

Short division by 2 digits

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

Multiples of 14:

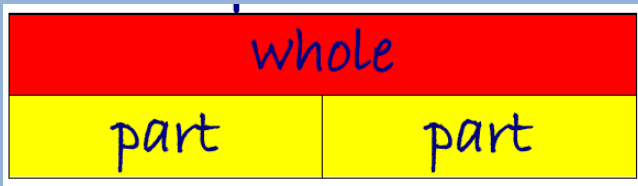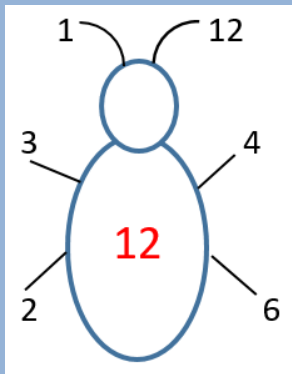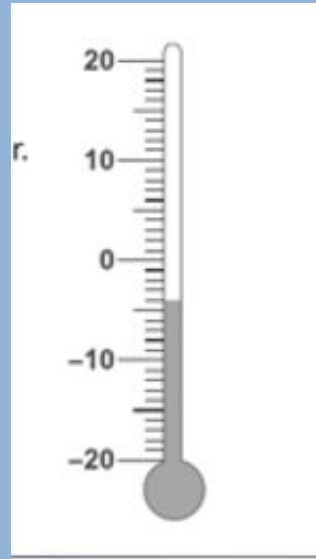1 4, 2 8, 4 2, 5 6, 7 0, 8 4

'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'

10 TIMES BIGGER

			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

10 TIMES SMALLER

The decimal point is the most boring thing in Maths – it never moves!
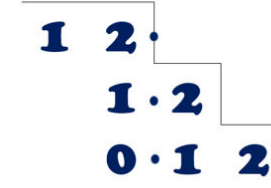
Nearest 1,000:

Bossy Number says, " Round up!"

$$3\underline{7}39 ≈ 4000$$

3.45 x 100

'Steps' Image:

3 · 4 5
3 4 · 5
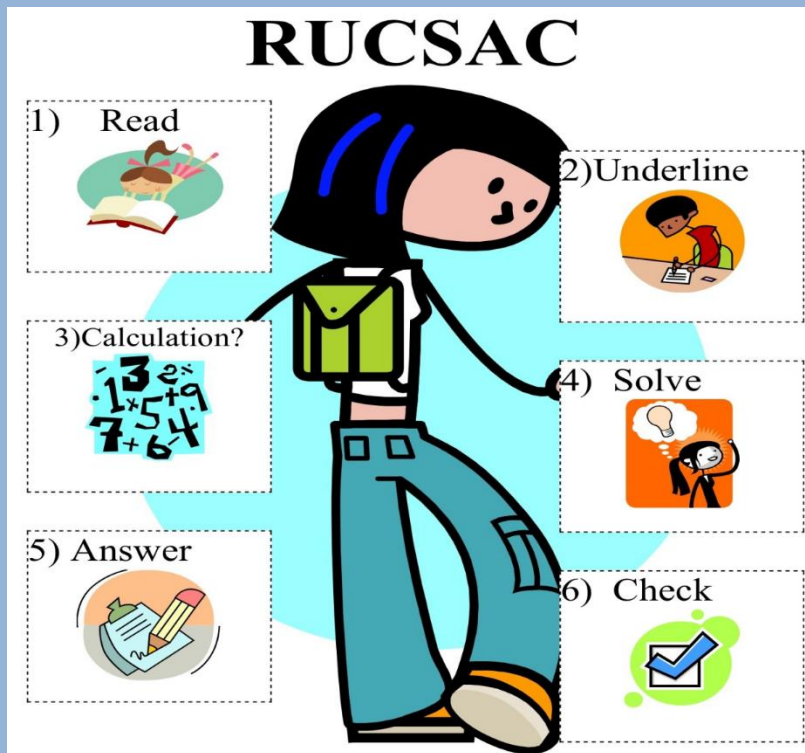3 4 5 ·

12 ÷ 100

'Steps' Image:

1 2 ·
1 · 2
0 · 1 2

whole

part | part

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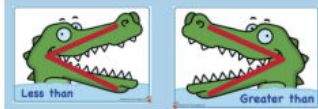
Does the question need 1, 2 or 3 steps of working out?

Oracy – Speak like a Specialist!

Pupil Handbook

- Use and understand key language
- Explain using mathematical terms

Maths	Basic Vocabulary for Maths
Addition +	**Subtraction** -
Total, Increase, Altogether, Plus, Sum, Add	Difference, Take away, Left over, Decrease, Fewer, How much more…
Multiplication X	**Division** ÷
Lots of, Multiply, Times, Repeated Addition, Product, Array	Groups of, Share, Equal groups, Repeated Subtraction, Each, Divide by
Equal to = Balance Model 25 + 26 = 25 x 2 + 1, = 'same as'	**Inequalities** ≤ < > ≥ Less than, Greater than, E.g. 3654 < 4756, 3654 is less than 4756

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School Website

- Curriculum Area or Year 5 Area:

- Homework help

- KPIs and Milestones

- Calculation Policy

- www.parkside.worcs.sch.uk

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

www.mymaths.co.uk

- Username: Parkside2 Password: square169
- Each child will then have their individual log in.
- Used for homework, but also has an attached lesson they can work through which is very useful.
- Century Tech works using AI, launched after half-term
- TTRS always homework in KS2
- USE THE PUPIL HANDBOOK!

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 Pickett

Miss Wilkes

Mrs Bennison

Mrs Papadopoulos

Mrs Harper

Miss O'Hara