



St Teresa's Catholic Primary Academy

Reading and Maths Autumn 2018

It's not just about Biff, Chip and Kipper!



Safe, Happy and Successful, Together with God



Reading requires 2 skills

Phonics and Word Recognition

The ability to recognise words presented in and out of context.

The ability to blend letter sounds (phonemes) together to read words.

Understanding and Comprehension

The ability to understand the meaning of the words and sentences in a text.

The ability to understand the ideas, information and themes in a text.

If a child understands what they hear, they will understand the same information when they read.

What to do if your child is stuck?

- Use phonics first. What sound does the word begin with? Can you say the sounds in the word? Blend them together.
- Read to the end of the sentence. What would make sense?
 - What is the text about – what might fit here?
 - Does it sound right?
 - Look at the picture. Does it help?

Comprehension

Q1: Who is standing on a rock?

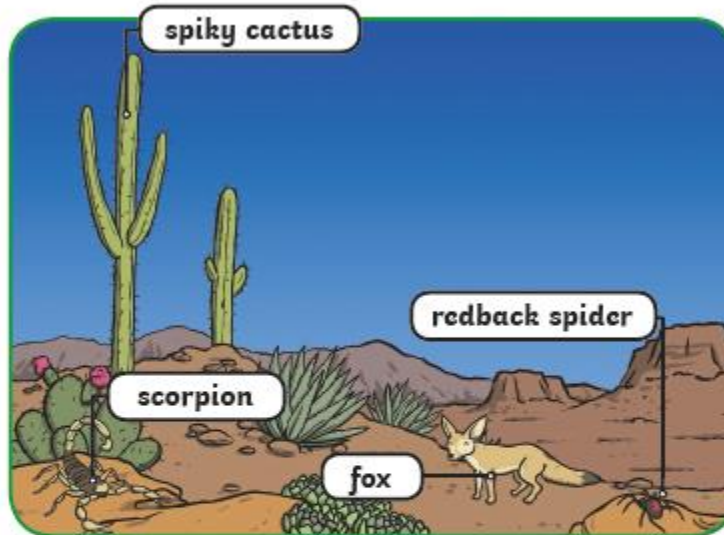
Tick **two**.

desert fox ☐

scorpion ☐

spiky cactus ☐

redback spider ☐



Q2: Which word describes the cactus?

Tick **one**.

desert ☐

spiky ☐

redback ☐

flower ☐



Q3: Why do you think it is called a 'redback' spider?
Answer with a full sentence.



Q4: Who has a tail that can sting you?
Answer with a full sentence.



Comprehension

A Pirate's Life For Me

4 Thursday 6th June, 1708

15 Today has been a rough day at sea. The waves have
25 been as tall as mountains and have been crashing onto
35 the deck as loud as thunder. The harsh winds have
45 torn down the Jolly Roger (our pirate flag) and have
54 ripped the sails. The rigger has spent all afternoon
63 repairing the damage and the cabin boys have been
74 fixing the masts so that they will last the night. The
82 quartermaster told me today that our supplies are
93 running low. We are close to running out of food and
103 we are starting to get scurvy because we have not
113 had enough vitamins. We hope that our bad luck will
115 change soon.

118 Over and out,
120 Captain Longworth.



Quick Questions



1. What do you think might happen to the pirates next?



2. How is Captain Longworth feeling about being on the pirate ship? Give a reason.



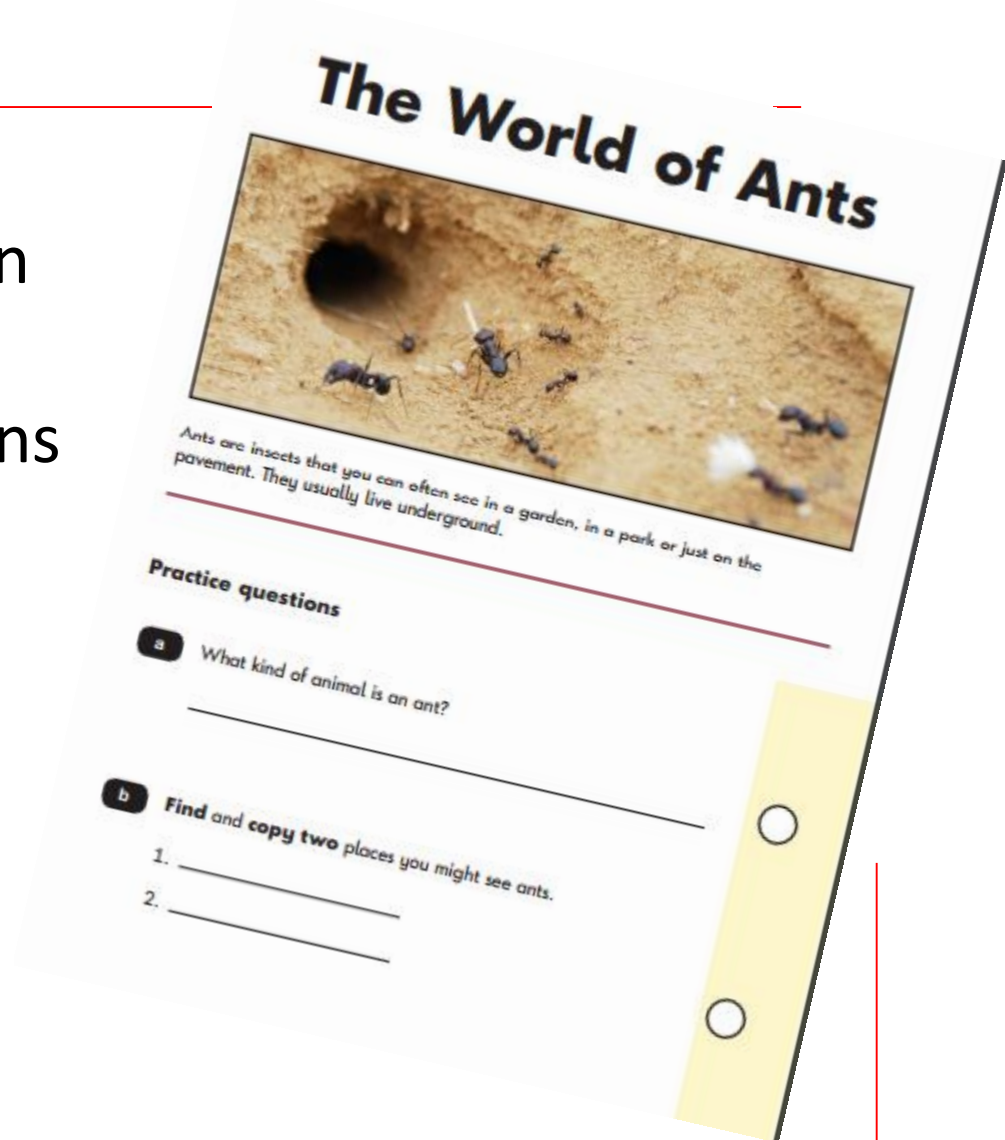
3. What is the Jolly Roger?



4. Find and copy a word from the text which means the same as 'ripped'.

Reading by the end of Year 2

- Reading with expression
- Answering written comprehension questions (reading the text AND the questions independently)



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Maths



Key Points

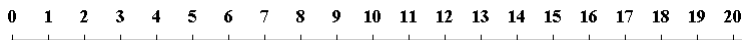
- Key aspects of Maths
- How do we do Maths in FS and KS1?
- What do we use? Key skills
- What can you do at home?
- Links

Concrete – Pictorial - Abstract

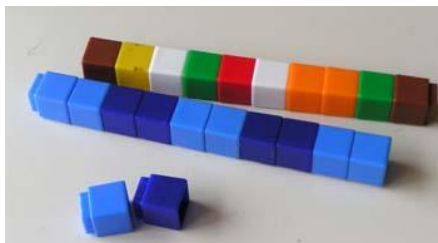


What do we use in the classroom?

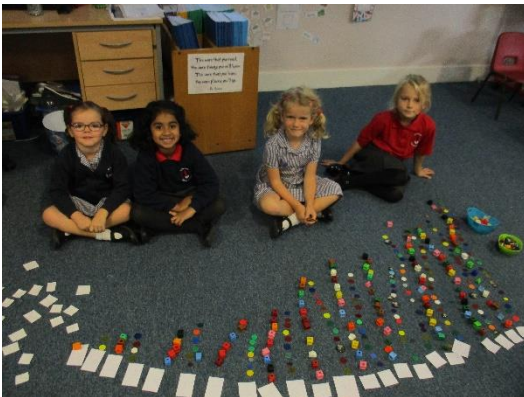
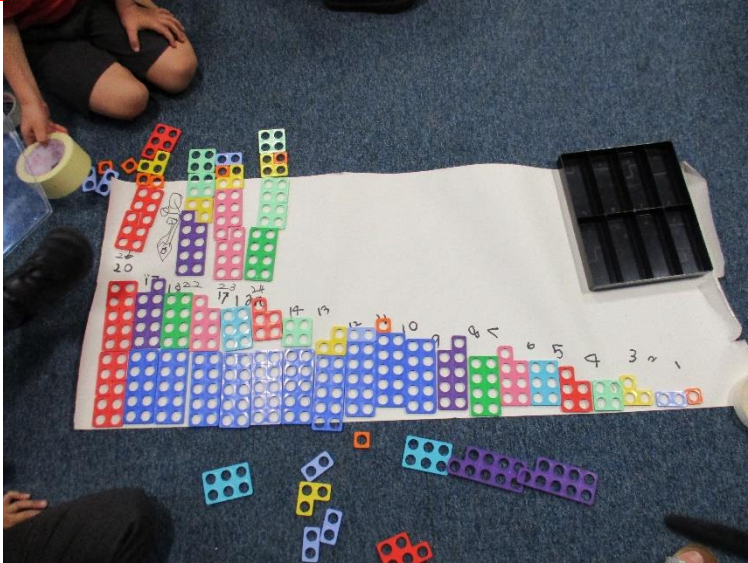
- Number line
- Number square
- Counters
- Place value cards
- Unifix
- Diennes
- Numicon



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



ACTIVE MATHS





Counting

FS

- Counting up and back – 10 and 20
- Objects and number lines
- Finding 1 more or less than a number
- TEEN NUMBERS

KS1

- Counting past 100
- Counting in jumps of 2,5,10 and 3
- Recognising patterns – 100 square
- Missing numbers

Place Value



What does your number actually represent?

PARTITIONING and VALUE

Tens and Units/ ONES

Circle the numbers that have a 6 in the tens place.

66 78 46 64 89 68 96 16 67 60 44 78 29 11 61



Addition and Subtraction

- Practical and Verbally.
- Counting on/back, physically moving objects.
- Relationship/Inverse
- Vocabulary
- Pictorial first, then informal written.
- Number Bonds to 10,20,100
- **KS2** – Column method



Farmer Pete Number Bonds

Addition

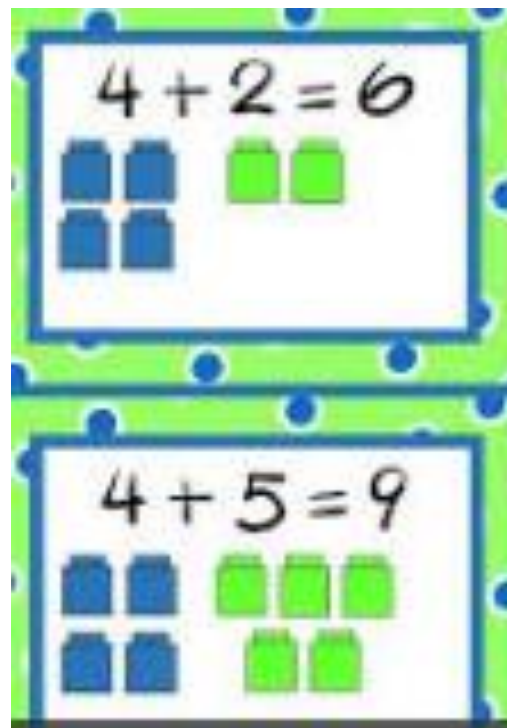
Number line addition



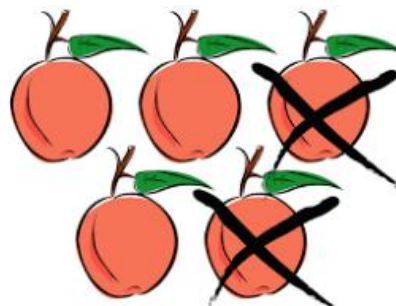
Using practical resources

Partitioning to add

$\begin{array}{r} 34 \\ / \quad \backslash \end{array}$	+	$\begin{array}{r} 53 \\ / \quad \backslash \end{array}$	=	<div></div>	
<u>Partition the numbers</u>					
<div>30</div>	+	<div>50</div>	=	<div>80</div>	Add the <u>tens</u>
<div>4</div>	+	<div>3</div>	=	<div>7</div>	Add the <u>units</u>
<div>80</div>	+	<div>7</div>	=	<div>87</div>	Add the <u>answers</u>



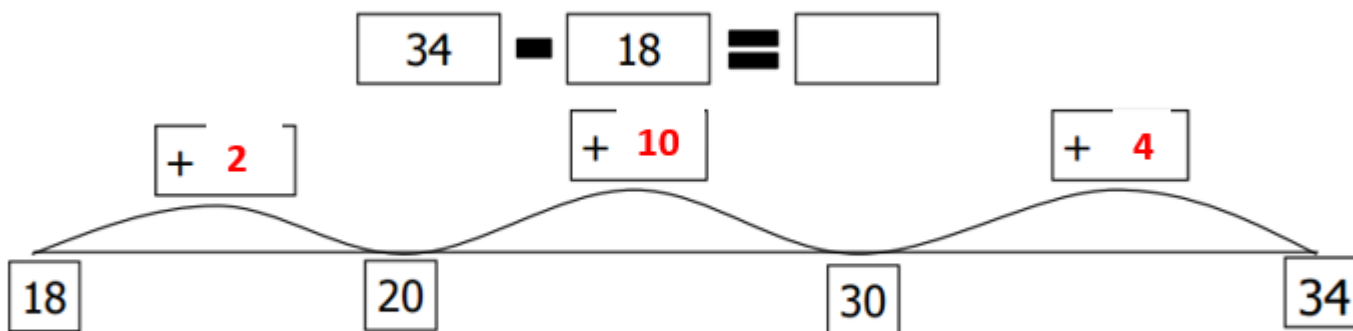
Subtraction



Crossing objects out

Counting back on a number line

Counting on / finding the difference ***BRIDGING 10***



$$10 + 4 + 2 = \underline{16}$$



Multiplication and Division

- Practical and Verbally.
- Groups of / Grouping / Sharing – PRACTICAL
- Pictorial
- Relationship
- Patterns
- Times tables
- 2, 5, 10 and 3

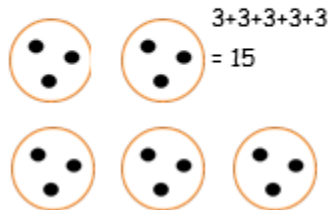
Multiplication and Division

FS exceeding – counting groups of 2, 5 or 10 objects.
Year 1 – concrete objects and pictures.

How many legs will 3 teddies have?



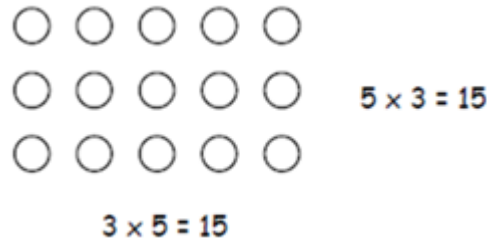
There are 3 sweets in one bag.
How many sweets are in 5 bags altogether?



Year 2 – repeated addition or arrays

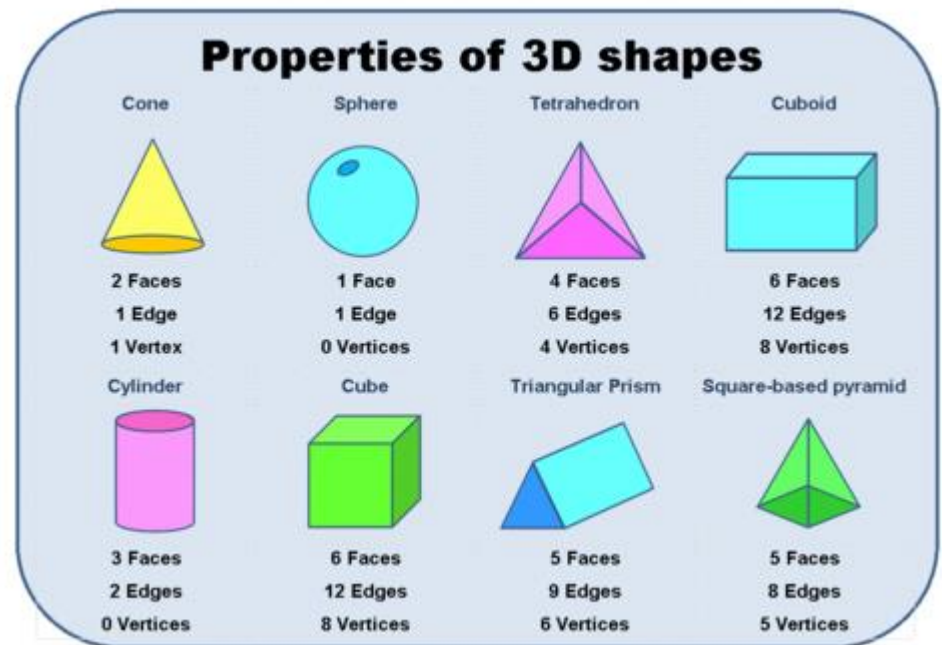


$4 \times 5 = 20$



Shape and Space

- Visual learners.
- Often different from number work ability.
- Experiencing
- Real life examples
- Names/Properties



Measures

- Length / Weight / Capacity
- Comparisons
- VOCAB – Longest, shortest
- Informal measurements – cubes, pigeon steps.
- Nearest cm/metre.
- UNITS OF MEASUREMENT
- TIME!!!
- MONEY



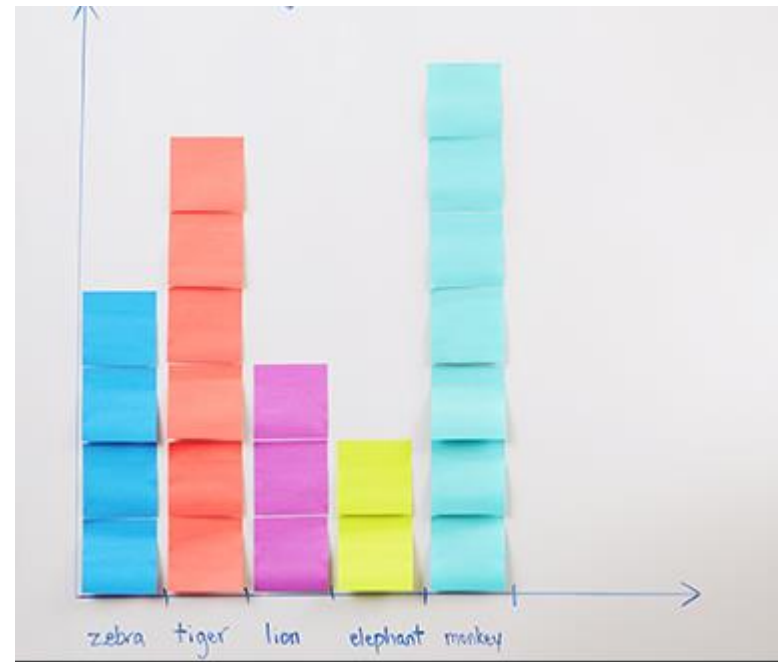
big bear



little bear

Statistics

- Asking questions
- Making predictions
- Tally Charts
- Links to counting
- Answering questions
- Popularity
- Yr2 – Bar charts and pictograms
- Surveys





Problem Solving, Reasoning and Mastery

- Used in every aspect of maths.
- Extension/Challenge.
- Moving learning on – More in depth understanding rather than bigger numbers or more examples.
- Explaining HOW / WHY not just an answer.
- Maths doesn't have just one correct answer!

Mastery Examples

Captain Conjecture says, 'When I count in tens from any number the units digit stays the same.'

Do you agree?

Explain your reasoning.



Millie's clue:

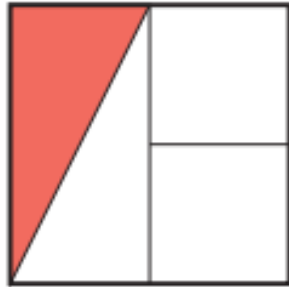
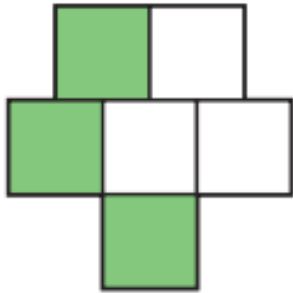
A shape with three sides was caught staying up past their bed time!

What shape criminal is this?

Mastery Examples

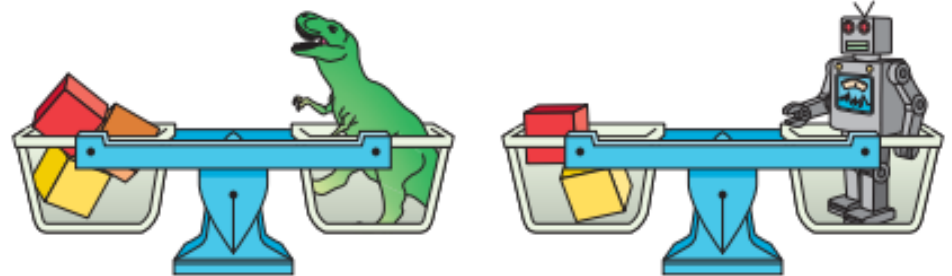
What fraction of the whole shape is shaded?

Explain your reasoning.



Which of these statements is true?

- The dinosaur is lighter than the robot.
- The robot is lighter than the dinosaur.
- The dinosaur and robot weigh the same.



Explain your reasoning.



Key Skills

- **Number facts**

- Number Bonds to 10, 20, 100
- Times tables / Counting in jumps of 2, 5, 10

- **Telling the time**

- Recognising key times – Lunch, Home time
- What do the hands do?
- Days of the week, Months
- Yr 2 – Terminology – fortnight, days in each month, hours in a day
- Key times in the day – Chronological order
Dinner before breakfast?



How can you help?

Do

- Play (maths) with your child
- Let your child win or be better than you sometimes!
- Recognise that there is more than one way of doing calculations
- Have enthusiasm and enjoy Maths!

Don't

- Expect them to understand after you've explained it once
- Say **"I was rubbish at Maths"**
- Get stressed or upset!

Make Maths Fun!

- Board games
- Hopscotch, playground style games
- Counting footsteps
- Baking
- Sing songs/ chants
- Colouring, dot to dot



Useful Links/ Helpful Hints

- AM booklets – examples of each objective
- KS1 Learning Platform – key focus each fortnight/ 3 weeks
- YouTube – Maths Songs
 - *FARMER PETE! (Bonds to 10)*

