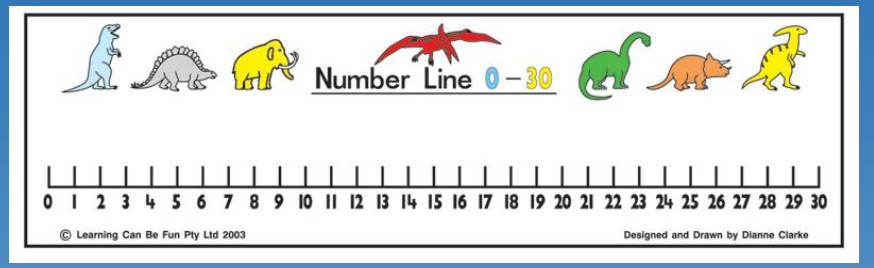
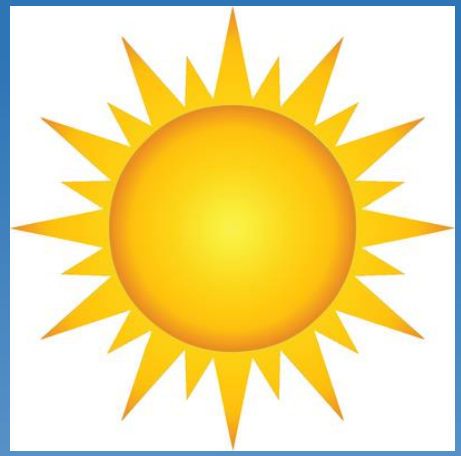


Curriculum Information Morning

Focus: Maths

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

Good Morning!



Refreshments and Welcome

Introduction- Mrs Minshall-Thomas

Visiting classes to see Maths in action!

9:00am-10:30am

Our Curriculum

The curriculum aims that all children:

- **become fluent** in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- can **reason mathematically** by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language.
- can **solve problems** by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

I hear and I forget. I see and I remember. I do and I understand.

"In order to develop every student's mathematical proficiency, leaders and teachers must systematically integrate the use of concrete and virtual manipulatives into classroom instruction at all grade levels."

- **-National Council of Supervisors of Mathematics**

CPA

Concrete ➡ Representational ➡ Abstract

C

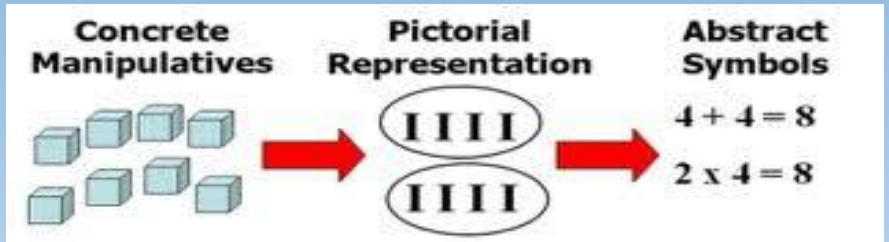
- Concrete = Maths concept is modelled with concrete materials

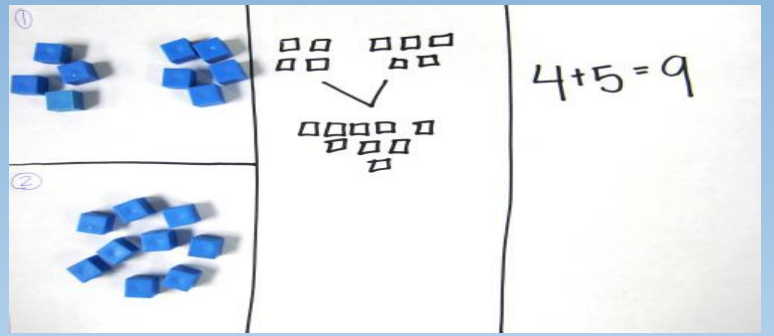
P

- Pictorial Representational = Maths concept is modelled with representational examples

A

- Abstract = Maths concept is modelled with numbers and symbols.





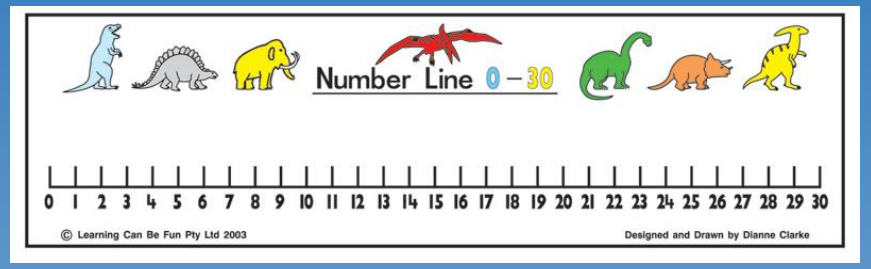
What is a manipulative?

In maths, a **manipulative** is an object which is designed so that a learner can perceive some mathematical concept by manipulating it, hence its name. The use of manipulatives provides a way for children to learn concepts in a developmentally appropriate, hands-on and an experiencing way.

How can manipulatives help **all children**?

1. Helps children to make sense of problems and persevere in solving them
2. Reason abstractly and quantitively
3. Construct viable arguments and critique the reasoning of others
4. Model with mathematics
5. Use appropriate tools strategically

Resources we use in our classrooms…



1	2	3	4	5	6	7	8	9	10
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71	72	73	74	75	76	77	78	79	80
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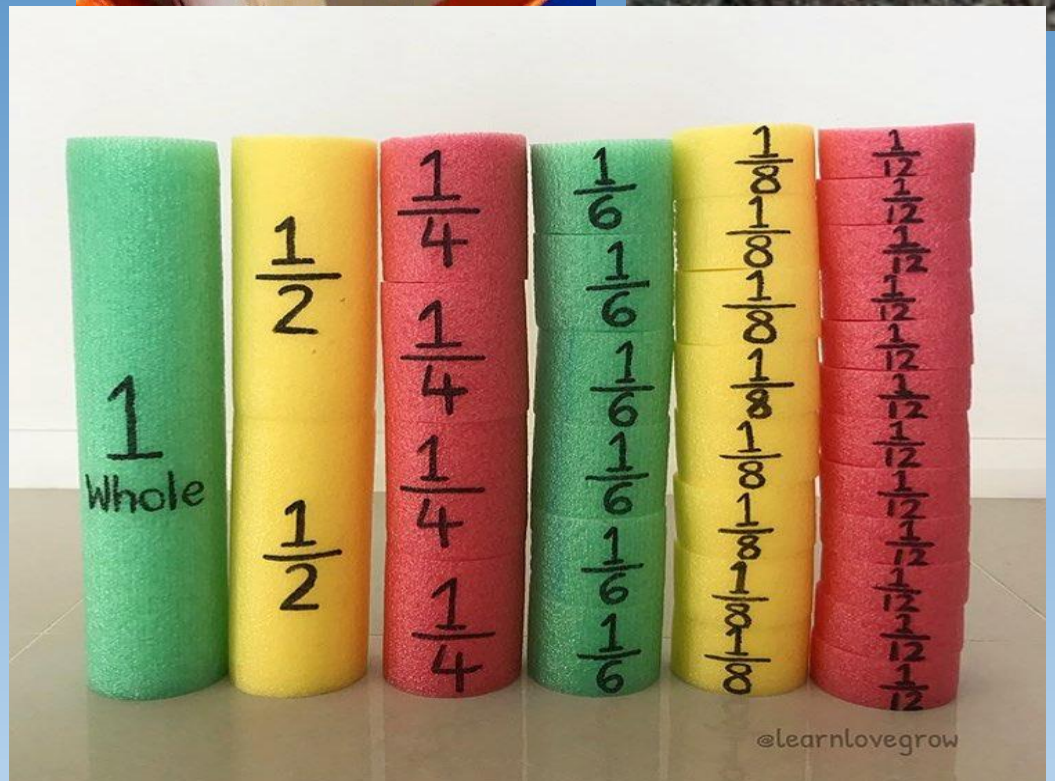
91	92	93	94	95	96	97	98	99	100


9 x 7
10 x 6
10 x 8
12


4 5 6 7 8 9
5 6 8. 7 1 9
6 7 9. 8 2 0
7 8 0. 9 3 1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1/4 1/4 1/4 1/4
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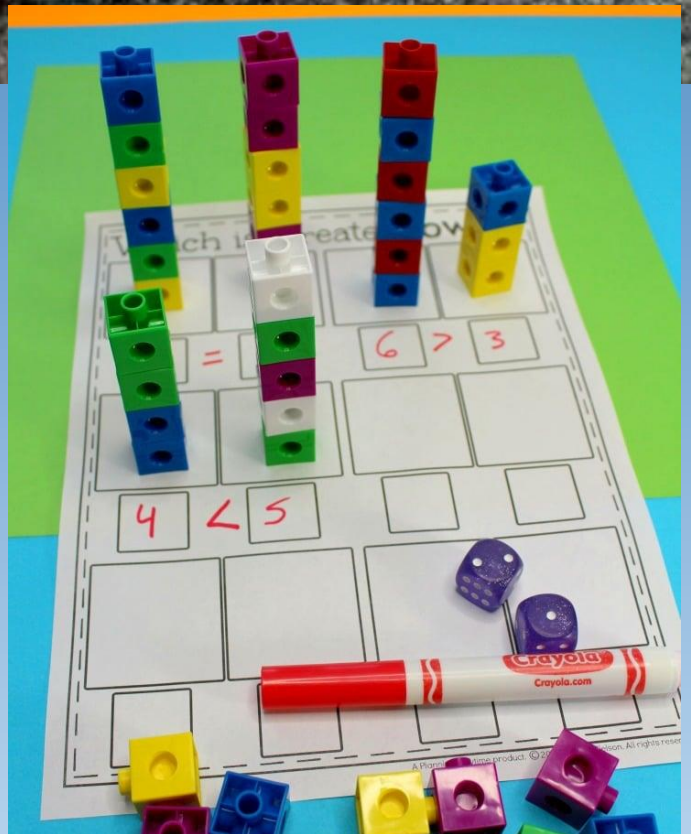
@learnlovegrow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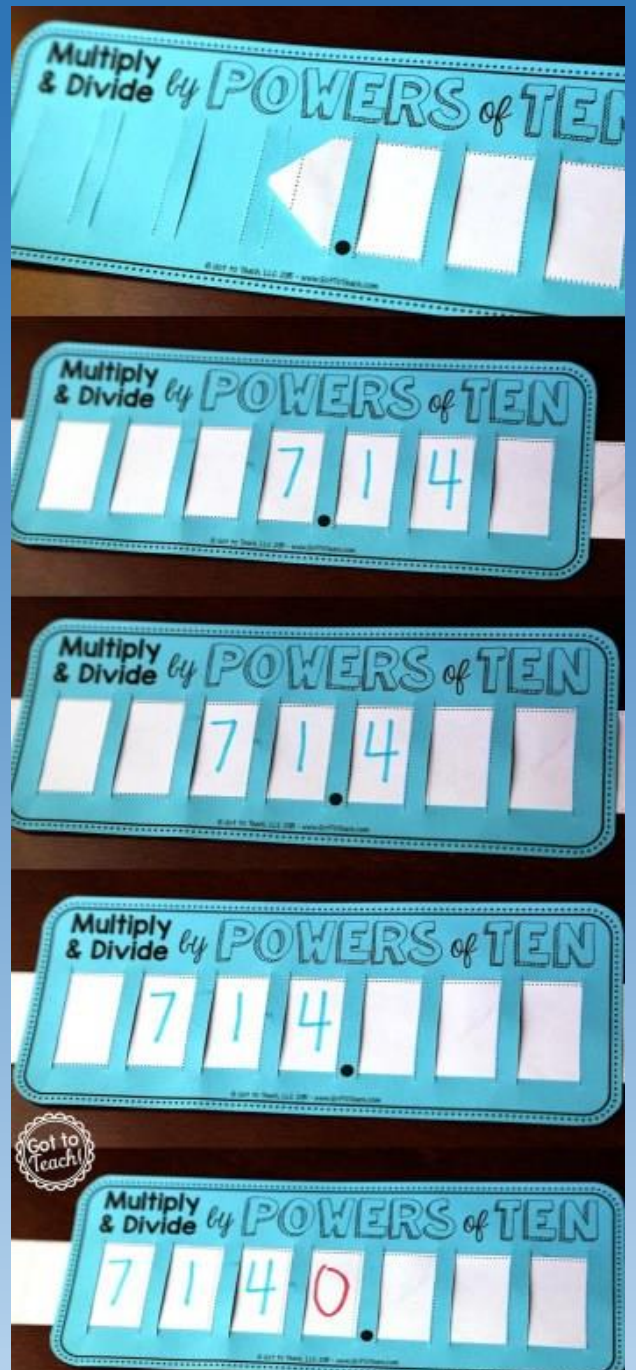
Multiply & Divide by POWERS of TEN
7 1 4
Got to Teach!
7 1 4 0

We keep maths fun…

- Sudoku puzzles, logic games etc. are far more valuable for helping children become more fluent mathematicians
- Shopping – find me the cheapest tin of beans, calculate the change form £1
- Walking – house numbers, number of steps, cars driving by
- Cooking – doubling/halving quantities, measuring
- Board games and card games
- Problem solving questions
- Guess the number games
- Team problems- Ks1- How old is your table combined? How did you solve this?

Ask questions!


Carry a laptop using two hands and hold it close to your body.
Don't eat or drink near the computer.
Login only as a student.
Never change any of the computer's


15
17
8
17
15


Sound & District
Primary School
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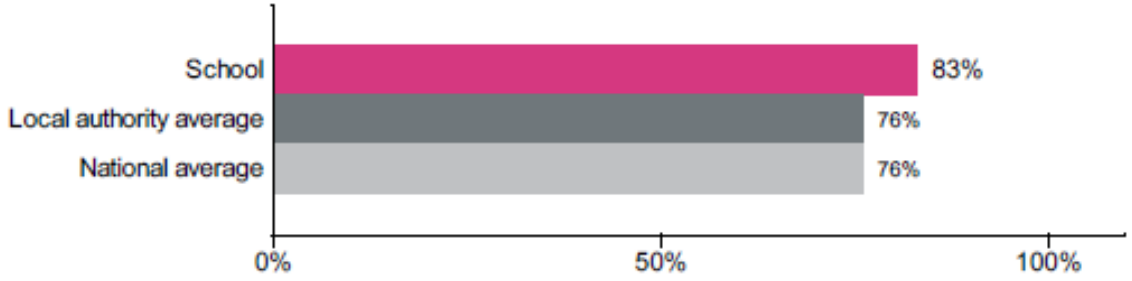
I see ___ fish
The penguins ate ___ fish.
How many fish are left?
___ - ___ = ___

KS1 Maths results at Sound and District

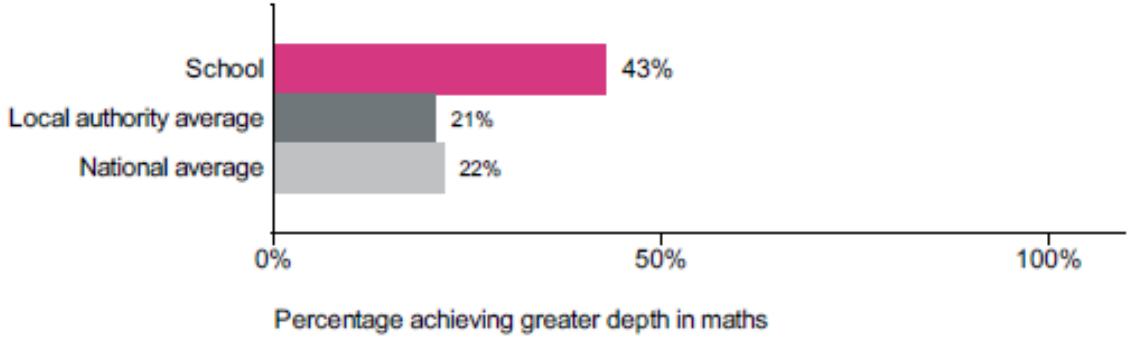
Percentage achieving the expected standard or higher in maths

Number of pupils = 23



Percentage achieving greater depth in maths

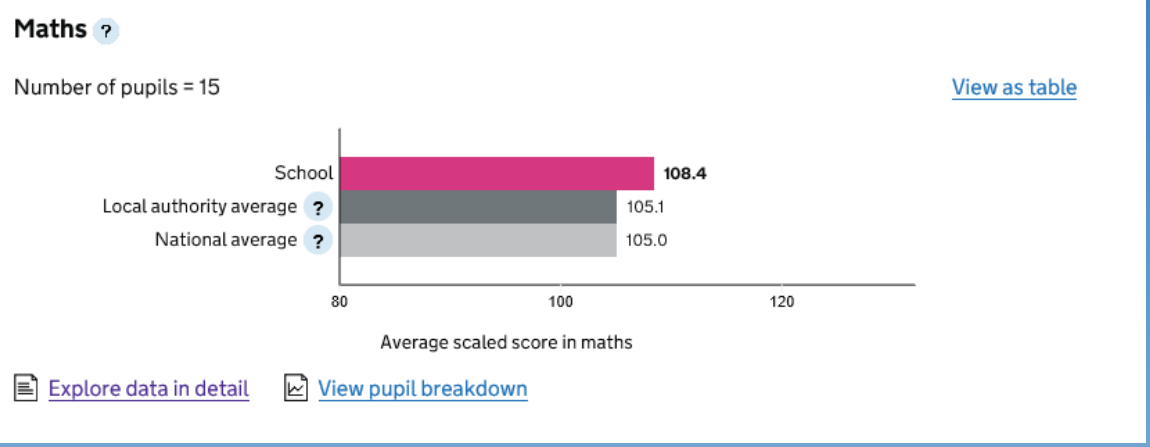
Number of pupils = 23



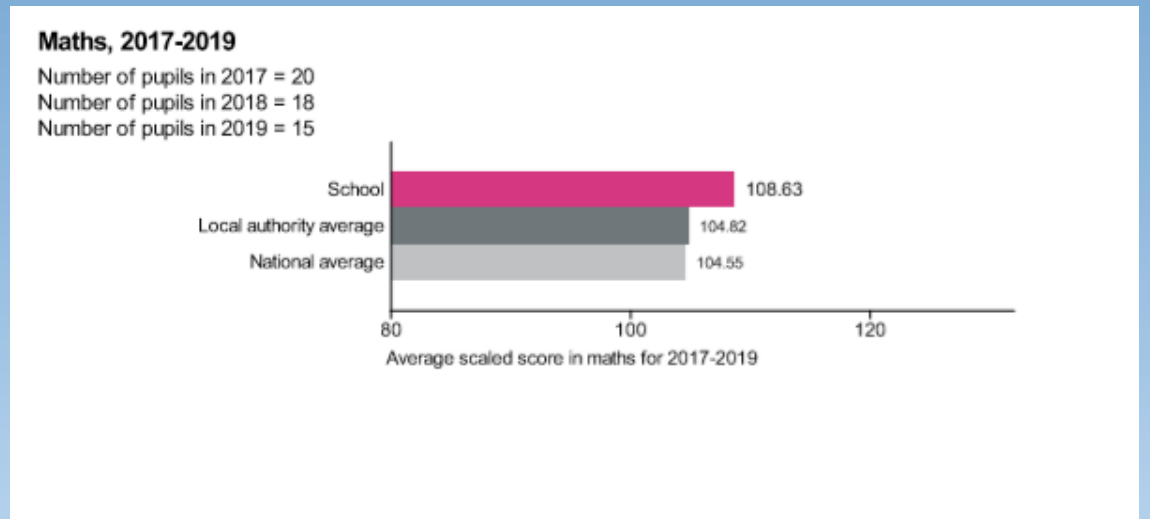
KS2 Maths results at Sound and District

Maths attainment

Achieving the expected standard		Achieving a higher standard		Average score	
School %	National %	School %	National %	School	National
93	79	33	27	108.4	105.0



3 Year Average at Sound



A **scaled score is a** representation of the total number of correct questions a candidate has answered (raw **score**) that has been converted onto a consistent and standardized **scale**.

Thank you for coming!

Any questions?

Please feel free to visit your child's class now

Siblings- Please split your time between classrooms