TIMES TABLES ROCK STARS

Kids: log on to TTRS and show your parents how to play.

Challenge them to a maths duel. Who can score more in a soundcheck?!

Areas of maths we cover:

Addition and subtraction

Statistics

Multiplication and division

Number and place value

Money

Measure

Length and perimeter

Fractions

All children have the opportunity to build competency by taking this approach...

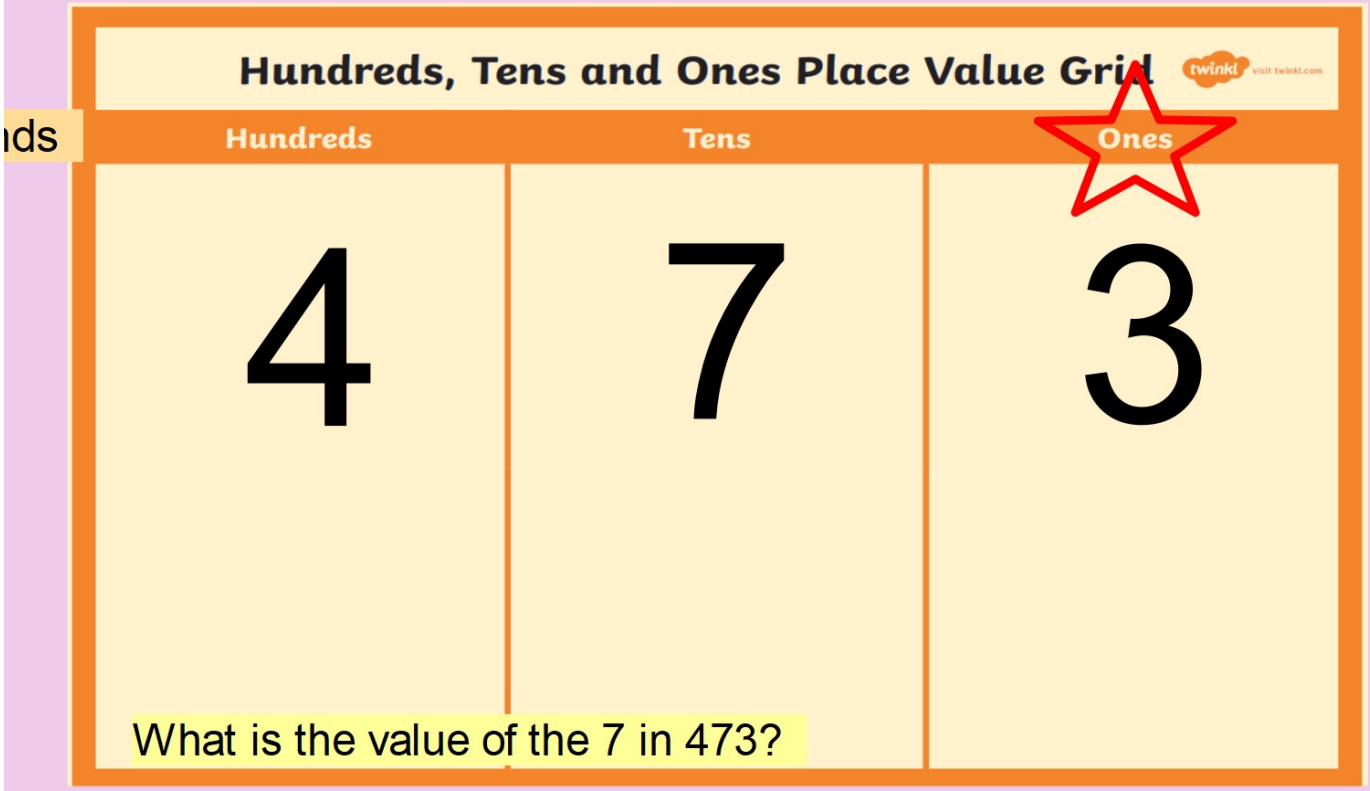
Concrete – children should have the opportunity to use concrete objects and manipulatives to help them understand what they are doing.

Pictorial – alongside this children should use pictorial representations. These representations can then be used to help reason and solve problems.

Abstract – both concrete and pictorial representations should support children's understanding of abstract methods.

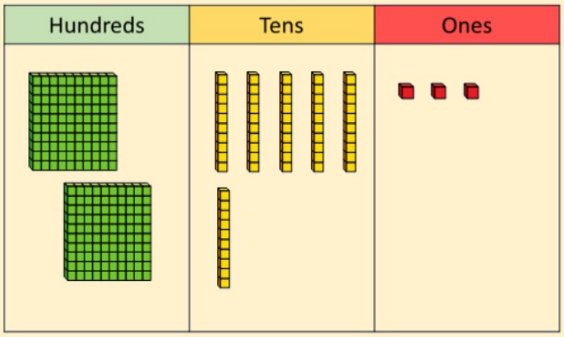
Place value:

We focus on place value at the start of the year as it provides the foundation for many areas in maths.



What 3-digit numbers are being represented here?

1.



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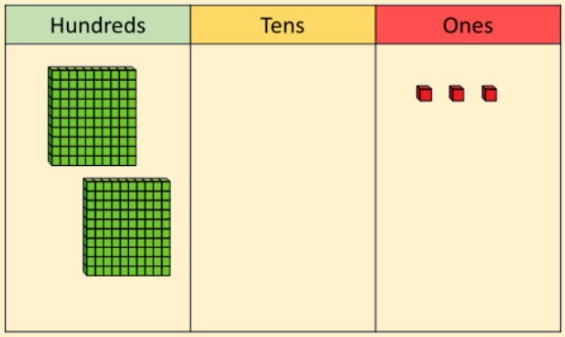

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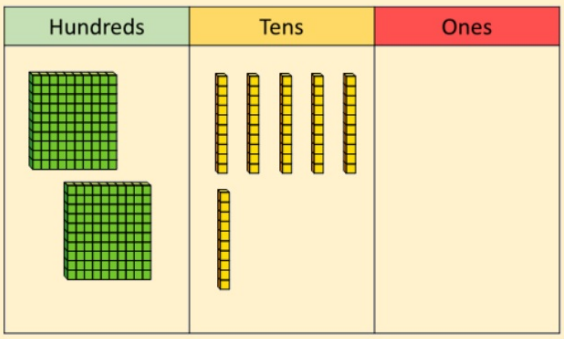

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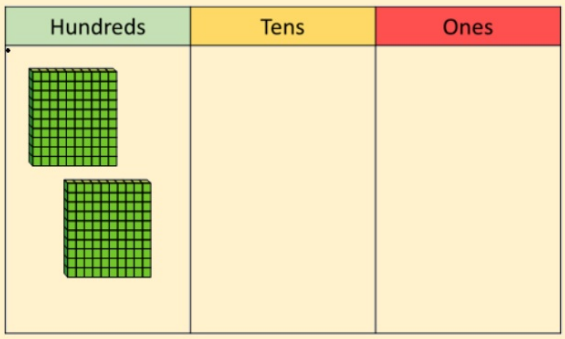


Addition

add more plus
increase total
sum altogether

Subtraction

subtract minus
less take away
decrease leave
fewer difference

Multiplication

multiply lots of
times groups of
multiplied by array
repeated product
addition

Division

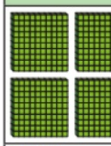
divide remainder
share share equally
groups of divided by
repeated each
subtraction

Addition:

Not crossing 10

1 Complete the column addition.

Use base 10 to help you.

	Hundreds	Tens	Ones
			
+			

		H	T	O	
		4	5	3	
	+	1	2	5	

Reasoning and problem solving:

Work out a possible set of addition problems.

		H	T	O	
	+				
		8	8	8	

		H	T	O	
	+				
		8	8	8	

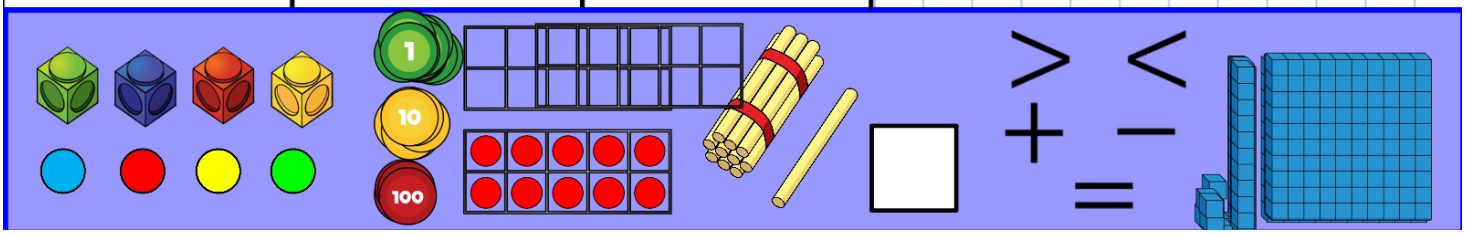
		H	T	O	
	+				
		8	8	8	

Crossing 10:

Hundreds	Tens	Ones

Calculation

		H	T	O	
		2	3	5	
	+	1	5	7	



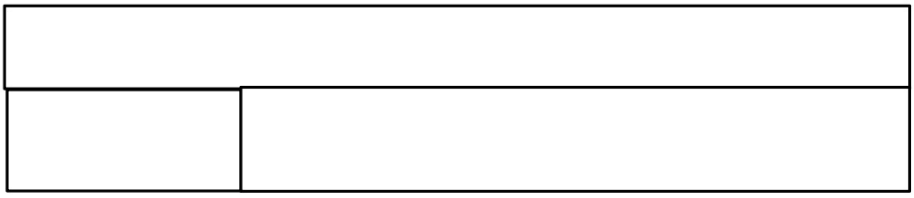
Crossing 10:
Reasoning and problem solving:

There are 849 people at a concert.

There are 625 adults at the concert.

a) How many children are at the concert?

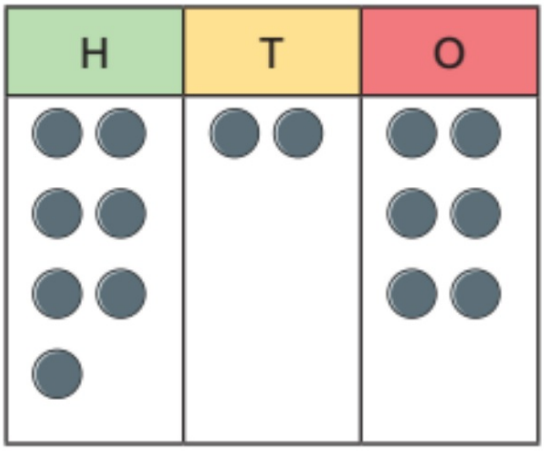
b) How many more adults than children are at the concert?



Subtraction:

No exchange

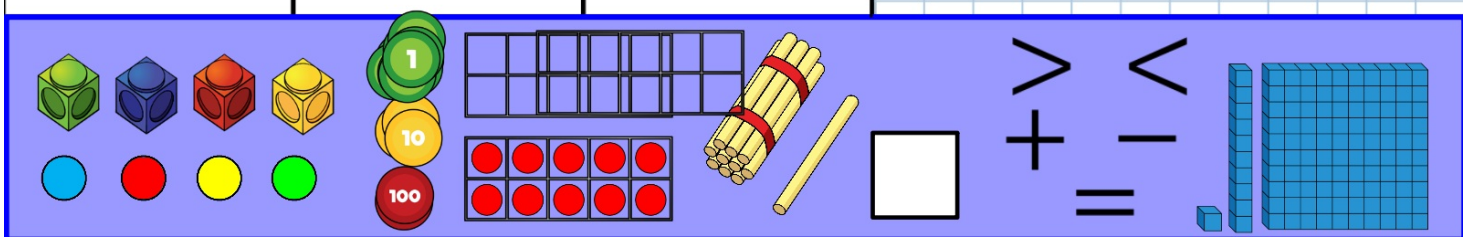
b) 726 – 303



		H	T	O	
		7	2	6	
	–	3	0	3	

Subtraction
With an exchange

Hundreds	Tens	Ones
100 100	10 10 10 10 10	1 1 1 1



Calculation

		H	T	O	
		2	5	4	
	−	1	2	6	

With an exchange:
Reasoning and problem solving:

Is the statement true or false?

> In this calculation, there will be 1 hundred in the answer because 3 hundreds subtract 2 hundreds is equal to 1 hundred.

Hundreds	Tens	Ones
100 100 100	10	1 1 1 1 1

		H	T	O	
		3	1	5	
	–	2	2	1	

Explain your answer.

Multiplication and division

Supermovers!!!

Children in Year 3 are expected to know their 10s, 2s, 5s, 3s, 4s and 8 times tables and related division facts.
Year 4 need to know up to 12 X 12.

Multiplication:

No exchange:

Complete the multiplication sentences.

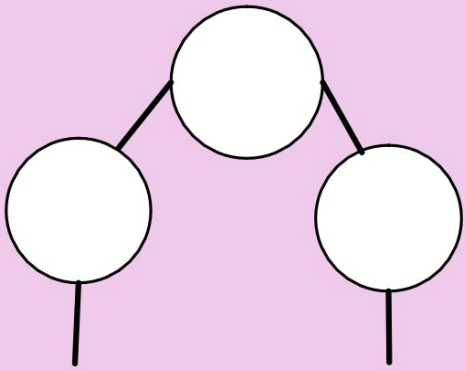
Tens	Ones
10 10	1 1 1 1
10 10	1 1 1 1

2 × 4 = ☐

2 × 20 = ☐

2 × 24 = ☐

H	T	0
	2	4
X		2



Multiplication

With an exchange

Tens	Ones
10	1 1 1 1 1
10	1 1 1 1 1
10	1 1 1 1 1
10	1 1 1 1 1

4 × 5 = ☐

4 × 10 = ☐

4 × 15 = ☐

Expanded multiplication

H	T	0
	1	5
X		4

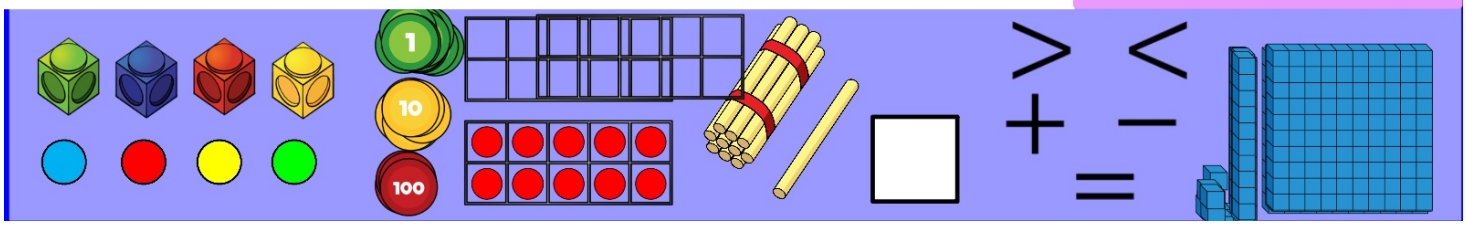
Division using flexible partitioning

Divide 72 by 3

Use the place value counters to help you.

Tens	Ones

72 ÷ 3 = ☐

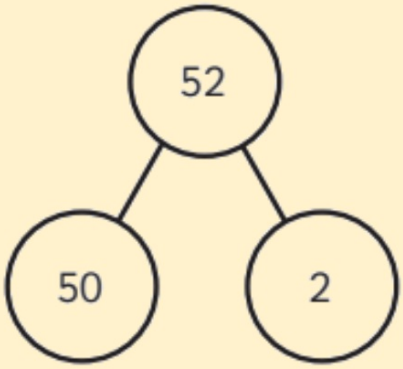


Division:

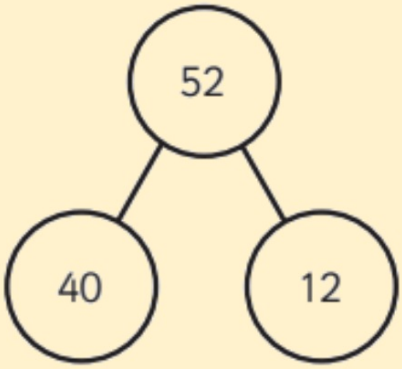
Rosie and Tommy are working out 52 ÷ 4

They both use a part-whole model.

Rosie



Tommy



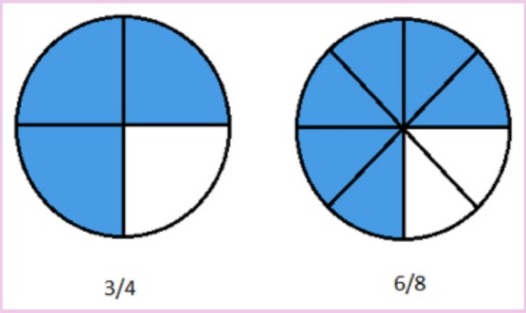
a) Whose part-whole model will help them with the division?

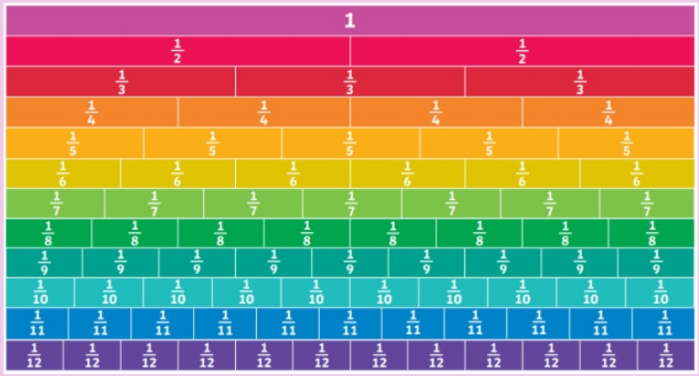
_____

How do you know?

Fractions

Equivalent fraction - two or more fractions which represent the same amount.

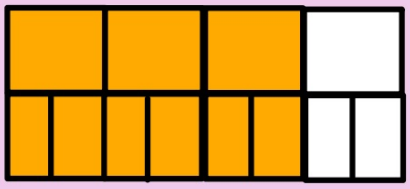




Number of parts $\frac{3}{4}$ numerator

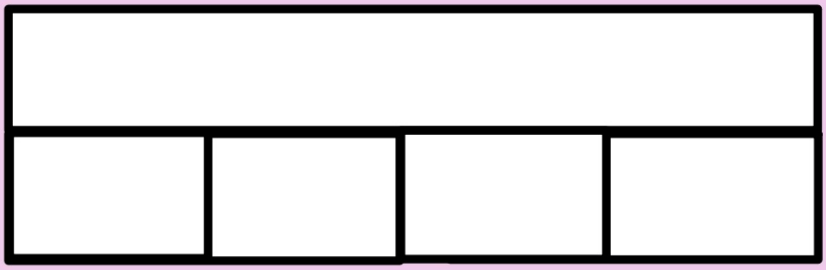
How many in the whole denominator

Bar Model:



Finding fractions of amounts:

$\frac{1}{4}$ of 20 =



And finally…

We're often asked what's the one thing that will help to support my child in maths at school. So here it is....

Be positive.
We can ALL do maths!

TOP TIPS

Y1 learn by heart number bonds, upto and including 10

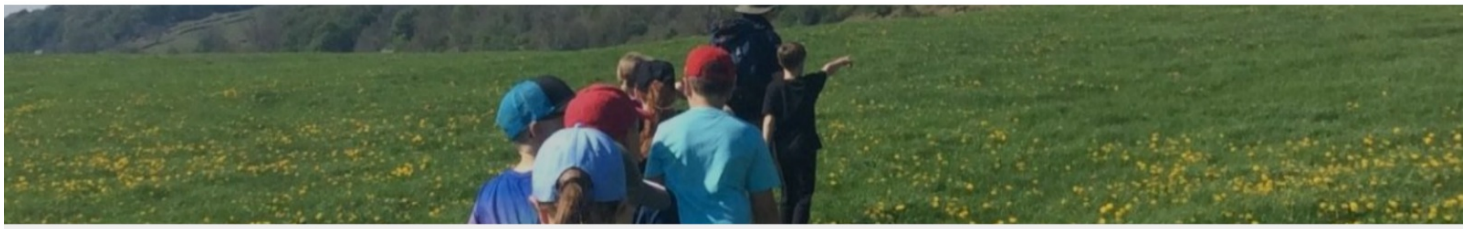
Y2 learn to tell the time to a quarter of an hour on an analogue clock

Y3 practise telling the time on an analogue clock

Y4 learn times tables up to 12s (including division facts)

Y5 practise times tables for instant recall

Y6 use revision books for the tricky areas of maths



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and Foundation
s: Knowledge & Skills

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Headlands Curriculum and Planning

Please note: Care has been taken to ensure that these particulars are correct at the time of publication. However, our curriculum may change in response to our children and external factors.

Our aim is to provide an exciting, ambitious and engaging curriculum that inspires and challenges all learners and provides them with the knowledge they need to take advantage of opportunities, responsibilities and experiences of later life.

National Curriculum

We follow the basic curriculum, which includes national curriculum, religious education, relationships education and health education.

The National Curriculum sets out requirements for: English, mathematics, science, physical education, computing, art and design, design and technology, geography, history and music. Modern foreign languages (French) is taught in Key Stage 2.

In Early Years, we follow the DfES statutory early years foundation stage framework.

Thank you for coming today.
I hope that you found it useful.