



David Livingstone Memorial

Primary School

Why change the way we teach maths and numeracy?

- Children were often less confident in basic numeracy than we felt they should be.
- We want to build a common approach across all stages that will build on the very good teaching that already exists in this area.
- We want to improve mental maths skills and general attainment in numeracy across the school.

Why Big Maths?

- Big Maths focuses on core numeracy skills that are essential for building confidence.
- Big Maths has clear progression from year to year, with common methods taught and language used.
- Big Maths builds on prior learning and ensure children are secure in their knowledge.
- There is evidence that Big Maths improves mental maths skills and general numeracy across the school.

What is CLIC?

We are working towards implementing a Big Maths CLIC session! Four parts to every lesson are:

- 1. Counting
- 2. Learn Its (number bonds and facts)
- 3. It's Nothing New (use what we know as we progress in number work) 1 3
- 4. Calculation (apply our skills!)

Where did we start?

Initial training delivered by Big Maths specialist.

 Whole staff agreed an approach – starting with Counting and Learn its at the level appropriate for their class. (term 2)

Introducing 'It's Nothing New' (term 3)

Full CLIC session by Term 4 (20 mins max)

P1 T2: CLIC Planning Weekly Overview

						0
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Reading Numbers (1)	CORE Numbers (1)	Actual Counting (2)	Counting On (1)	Actual Counting (3)	Actual Counting (4)
C	CLIC Book page 33	CLIC Book page 52	CLIC Book page 62	CLIC Book page 65	CLIC Book page 62	CLIC Book page 62
	I can read 1d	I can understand	I can count 4	I can count on and	I can count 5	I can count 6
	numbers.	numbers to 10.	objects,	back 1.	objects.	objects,
			,		,,	Ť
	Step 1 & 2	Step 1 & 2	Step 1 & 2	Step 1 & 2	Step 1 & 2	Step 1 & 2
	CLIC Book p99-100	CLIC Book p99-100	CLIC Book p99-100	CLIC Book p99-100	CLIC Book p99-100	CLIC Book p99-100
_ L	1+1=2	1+1=2	1+1=2	1+1=2	1+1=2	1+1=2
	2+2=4	2+2=4	2+2=4	2+2=4	2+2=4	2+2=4
	3+3=6	3+3=6	3+3=6	3+3=6	3+3=6	3+3=6
	4+4=8	4+4=8	4+4=8	4+4=8	4+4=8	4+4=8
	5 + 5 = 10	5 + 5 = 10	5 + 5 = 10	5 + 5 = 10	5 + 5 = 10	5 + 5 = 10
	5 + 5 = 10	5+5=10	5+5=10	5 + 5 = 10	D + D = 10	5+5-10
_	Doubling (1)	Doubling (1)	Doubling (1)	Doubling (1)	Doubling (1)	
	CLIC Book p146	CLIC Book p146	CLIC Book p146	CLIC Book p146	CLIC Book p146	
_	I can double 1d	I can double 1d	I can double 1d	I can double 1d	I can double 1d	
	numbers.	numbers.	numbers.	numbers.	numbers	
	Addition (1)	Subtraction (1)	Division (1)	Addition (2)	Subtraction (2)	
C	CLIC Book p222	CLIC Book p277	CLIC Book p36	CLIC Book p222	CLIC Book p278	
	I know when to add	I know when to take	I can give out	I know to how find	I know to take some	
	some more.	some away,	objects fairly.	the total,	away and count how	
	Serlie Iller e,	201110 411471	25,0225,2,	urio uruai,	many are left.	
					many are reft,	

^{*}Friday: Big Maths Beat That Tests/ CLIC Tests

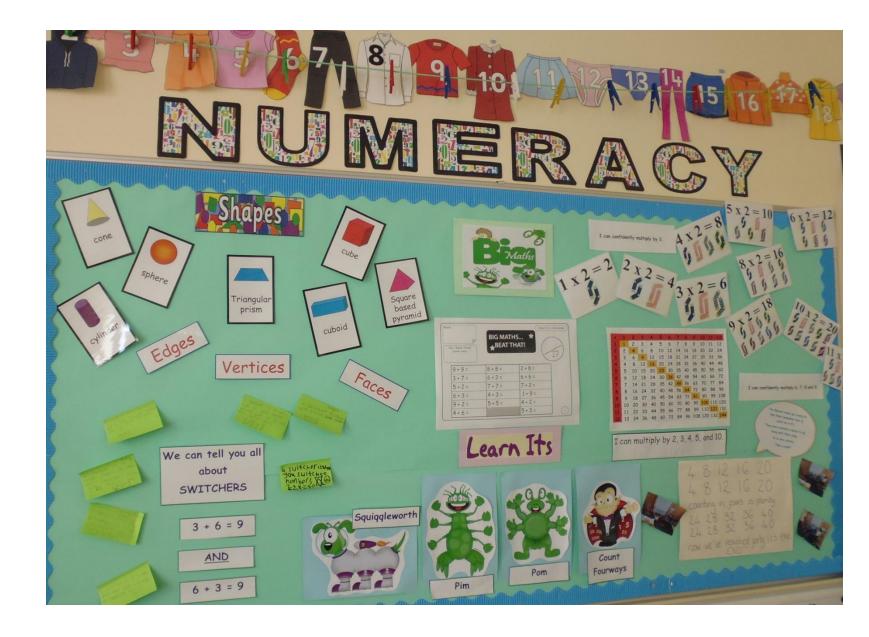
P4 T1: CLIC Planning \	Weekly Overview
------------------------	-----------------

4 TI. CLIC Pla	nning weekly Overview					[pL _S]
	Week 1	Week 2	Week 3	Week 4	Week 5	Week
С	Reading Numbers (6) (revision)	Squiggleworth (2) CLIC Book P146	Squiggleworth (2) CLIC Book P108	CORE Numbers (3) CLIC Book P52	Counting Multiples (4)	Counting Along (1) CLIC Book P89
	CLIC Book P37	I can partition a 3d	I can partition a 3d	I can understand	CLIC Book P68	I can count along a
	I can read 3d	number,	number,	2d numbers,	I can count in 3s.	number line,
	numbers,					
	Step 10	Step 10	Step 10	Step 10	Step 10	Step 10
L	CLIC Book P108	CLIC Book P108	CLIC Book P108	CLIC Book P108	CLIC Book P108	CLIC Book P108
	3x Tables Facts	3x Tables Facts	3x Tables Facts	3x Tables Facts	3x Tables Facts	3x Tables Facts
Т	Pim the Alien (1)	Adding with Pim (3)	Adding with Pim	Doubling (3)	Halving (3)	Jigsaw Numbers (3)
7	CLIC Book P135	CLIC Book P140	(3)	CLIC Book P147	CLIC Book P155	CLIC Book P160
	I can swap objects.	I can add thousands.	CLIC Book P108	I can double 2d	I can half 3d	I can find the
			I can add	numbers.	numbers.	missing piece to 100.
			thousands,			
	Addition (25)	Subtraction (28)	Subtraction (28)	Multiplication (9)	Division (17)	Division (17)
	CLIC Book P249	CLIC Book P306	CLIC Book P108	CLIC Book P335	CLIC Book P375	CLIC Book P375
_	I can solve any 2d+	I can take any 2d	I can take any 2d	I can solve 1d x 1d	I can use tables	I can use tables
	2d calculation.	number from 100.	number from 100.	calculations.	facts to find division	facts to find division
					facts.	facts.

						ALL A
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Reading Numbers (11)	Squiggleworth (3)	CORE Numbers (7)	Count Fourways (-1s)	Count Fourways (-1s)	Reading Numbers
\mathcal{C}	(revision)	(revision)	CLIC Book P54	CLIC Book P79	CLIC Book P79	(8)
	CLIC Book P41	CLIC Book P47	I can understand	I can count backwards	I can count backwards	CLIC Book P38
	I can read numbers	I can partition 3dp	2dp numbers.	through zero into	through zero into	I can read 5 digit
	with decimal places,	numbers.		negative numbers.	negative numbers.	numbers
	<i>'</i>					accurately.
						,
	Revision	Revision	Step 15 Revision	Step 15 Revision	Revision	Revision
L			CLIC Book P113	CLIC Book P113	All table facts.	All table facts.
_			12 x table facts.	12 x table facts.		
_	Adding with PIM (5)	Halving with PIM	Where's Mully?(2)	Coin Multiplication (4)	Coin Multiplication (4)	X 10 (3)
I	(revision)	(6)	CLIC Book P190	CLIC Book P181	CLIC Book P181	CLIC Book P165
_	CLIC Book P141	(revision)	I can Mully using 10	I know when to add 2	I know when to add 2	I can multiply
	I can add hundredths.	CLIC Book P156	lots and a Tables	multiples together.	multiples together.	decimals by 10.
		I can half any 3d	Fact.			
		number.				
_	Addition (39)	Multiplication (17)	Division (24)	Division (24)	Division (25)	Division (25)
(CLIC Book P267	CLIC Book P351	CLIC Book P382	CLIC Book P382	CLIC Book P383	CLIC Book P383
	I can solve additions	I can solve 1d x	I can use a Smile	I can use a Smile	I can use a Smile	I can use a Smile
	with several numbers,	1d.1dp number.	Multiplication fact	Multiplication fact to	Multiplication fact to	Multiplication fact
			to find a division	find a division fact,	find a division fact	to find a division
			fact,		with remainders,	fact with
						remainders,

^{*}Friday: Big Maths Beat That Tests/ CLIC Tests







Big Maths



Counting Learn Its Its Nothing New Calculations

Counting

Learn Its
Its Nothing New
Calculations

I can read 3d numbers.





Step 6

I read 3d numbers.

Remember to:

- ·say the hundreds digit
- •then say "and"
- •then say the 2d number



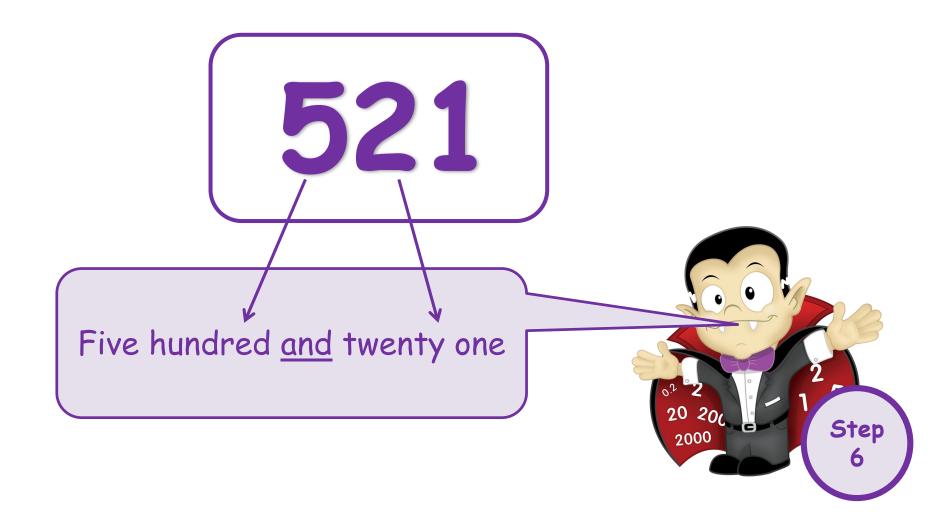




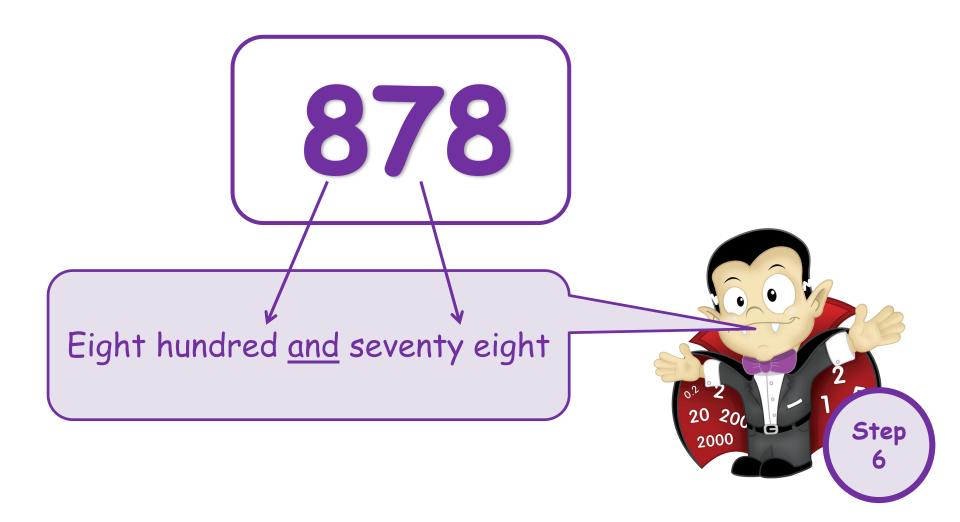
Three hundred and fifty seven



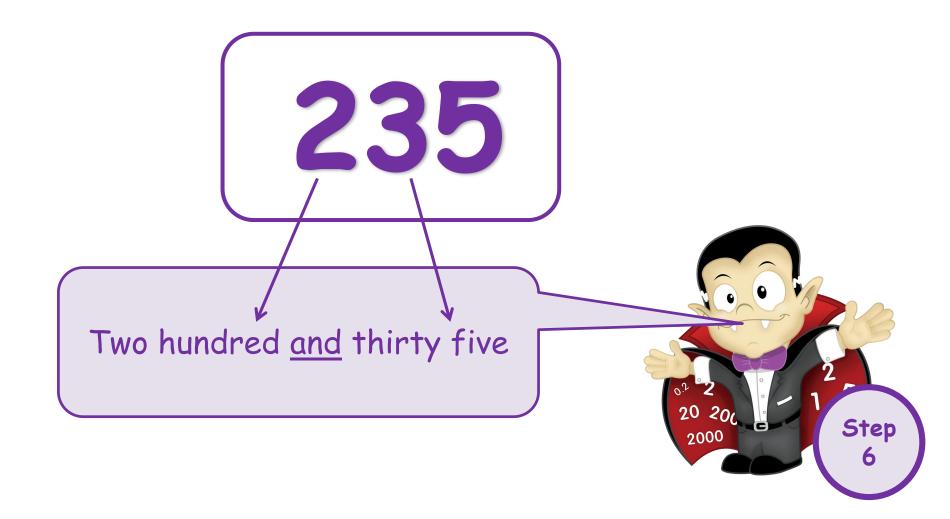




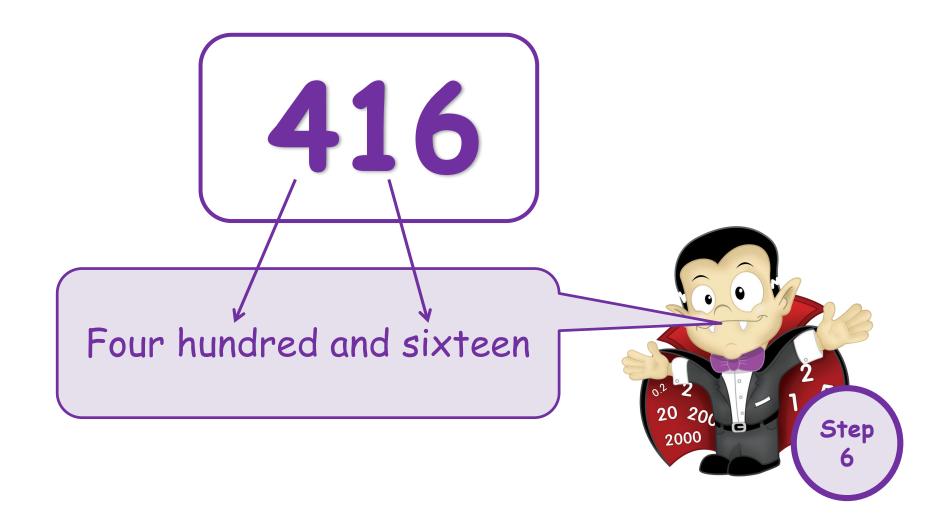




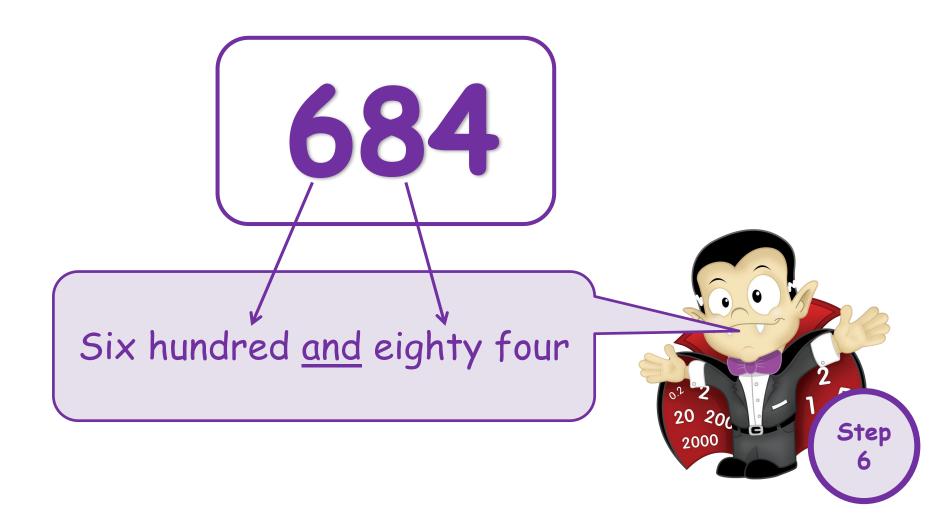




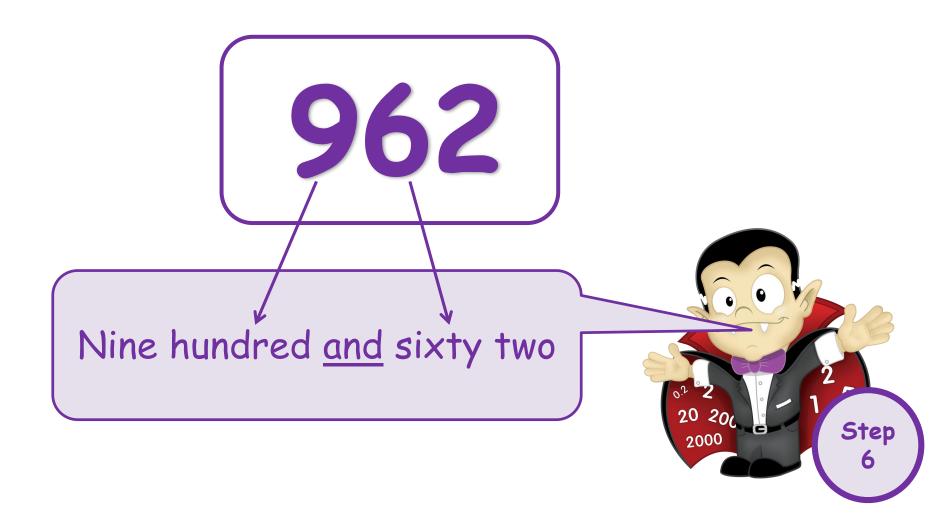




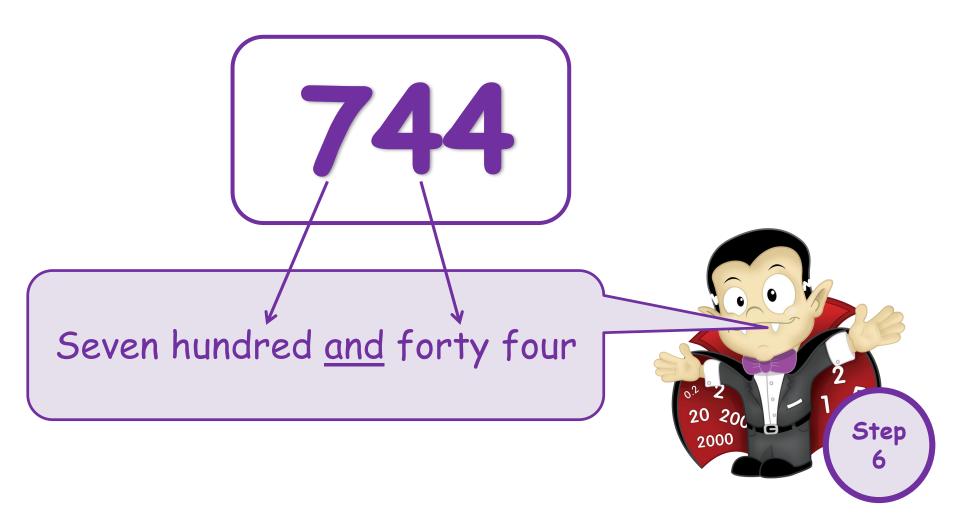




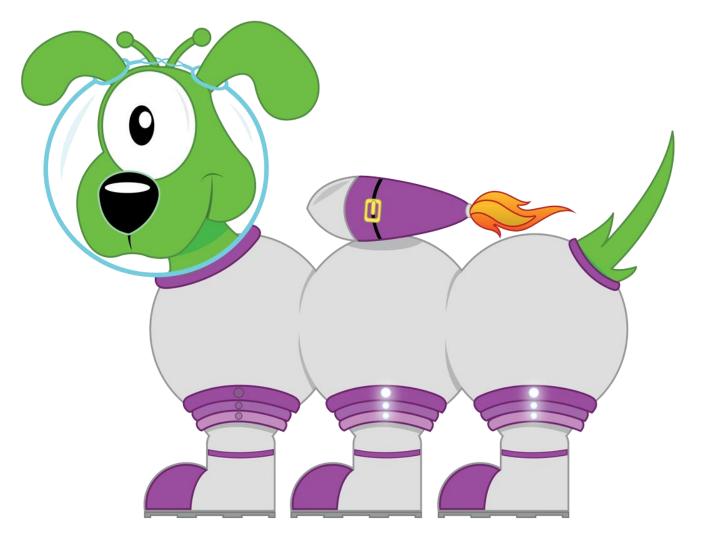








Well done!



Counting

Learn Its

Its Nothing New Calculations

Lots of the Learn Its have their own jingles!

Listen to this one for



Learn Its



I know my 3x tables.



$1 \times 3 = 3$

$$2 \times 3 = 6$$

$$3 \times 3 = 9$$

3x

Table

Facts

$$4 \times 3 = 12$$

$$5 \times 3 = 15$$

$$6 \times 3 = 18$$

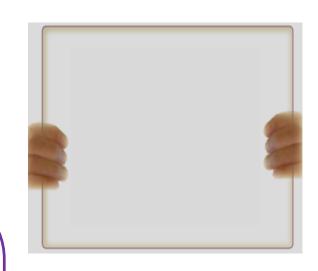
$$7 \times 3 = 21$$

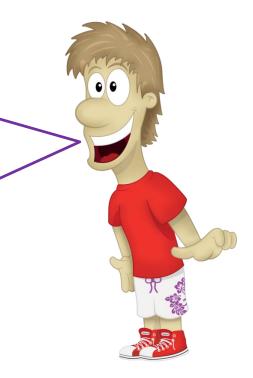
$$8 \times 3 = 24$$

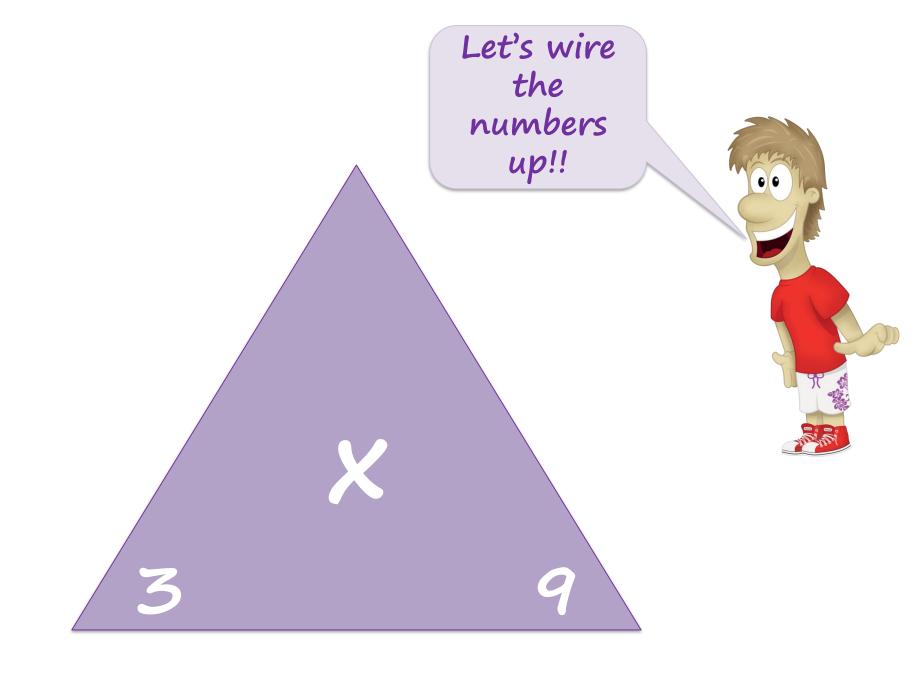
$$9 \times 3 = 27$$

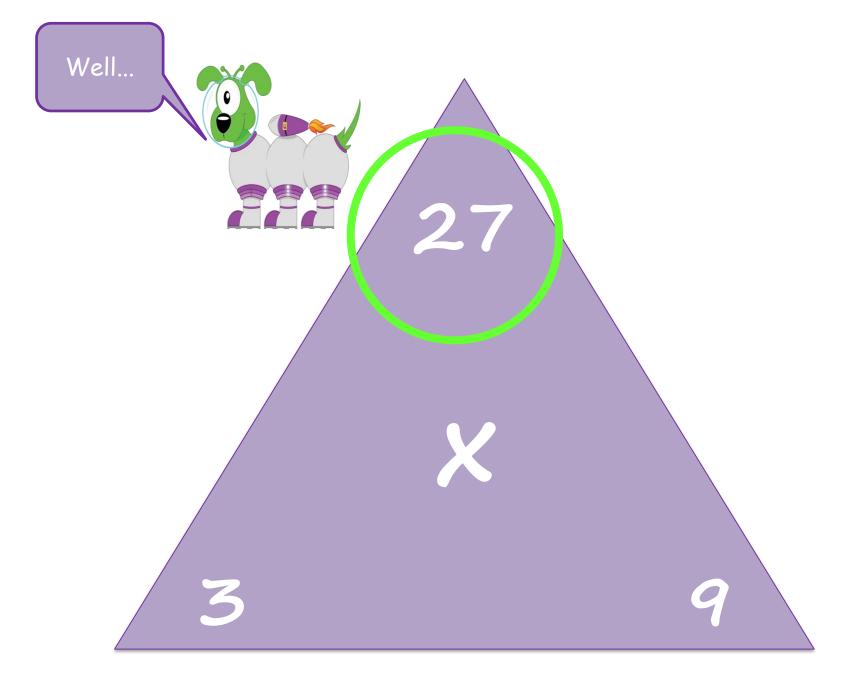
$$10 \times 3 = 30$$

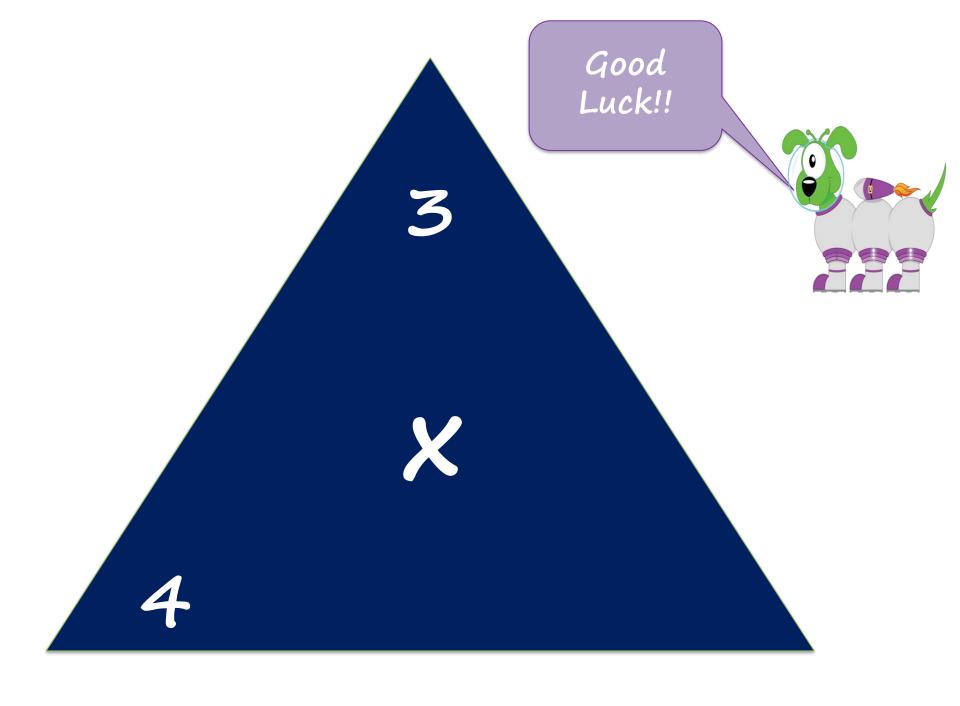
aet your ds whitebuil ready!!

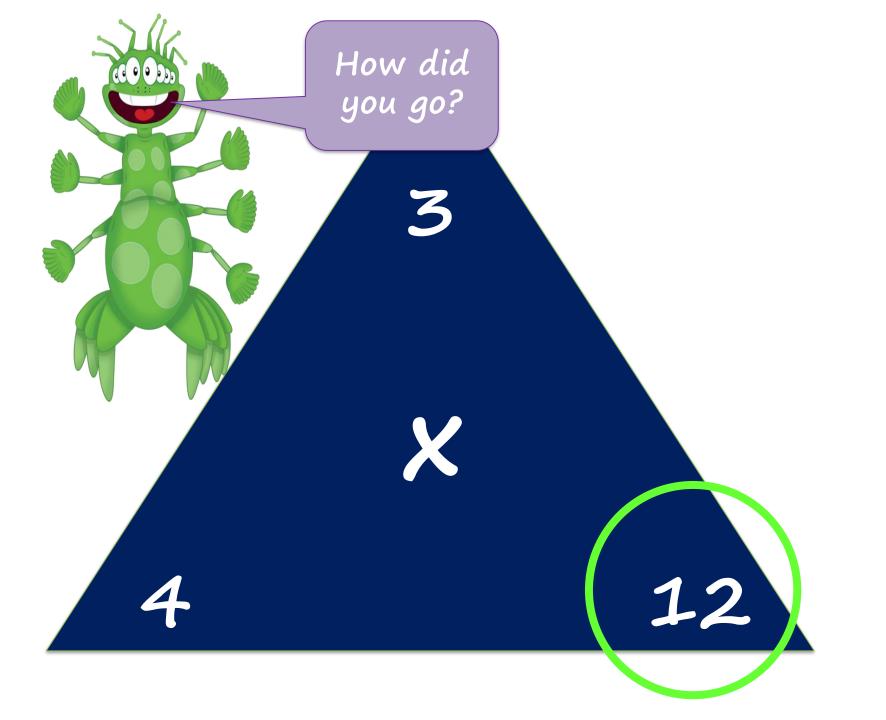












x 3 = 12

$4 \times 3 = 12$

3 x 8 =

$3 \times 8 = 24$

x = 6

2 x 3 = 6

Well done!



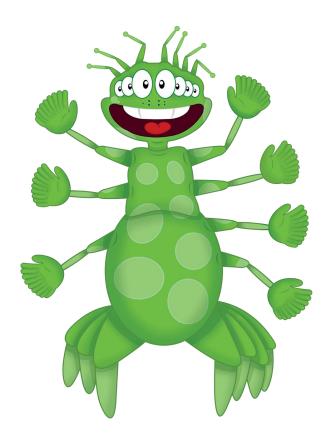
Counting Learn Its

Its Nothing New

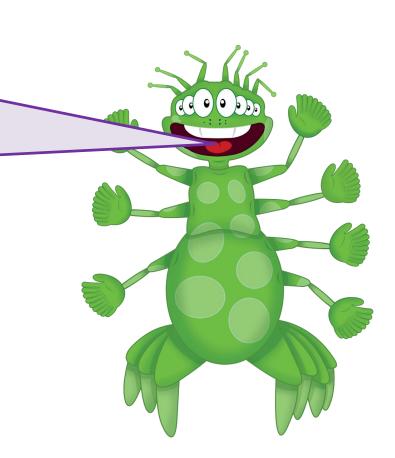
Calculations



I can swap objects.

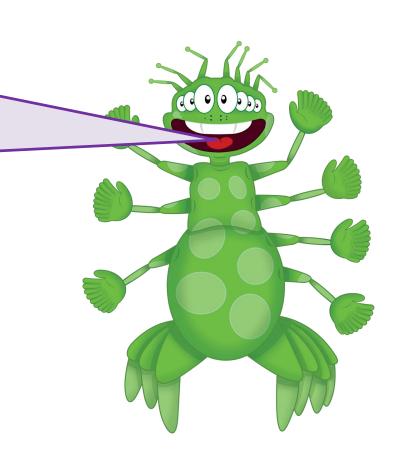


What is the total of 17 cats and 4 cats?

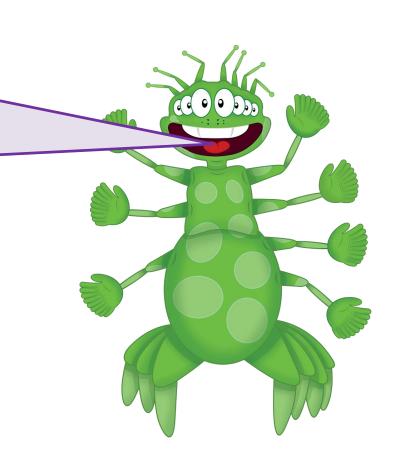


What is the total of 17 cats and 4 cats?

21

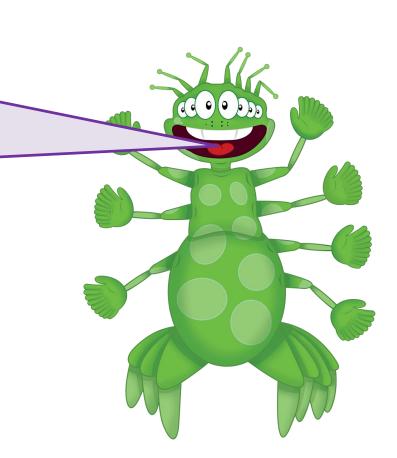


What is the total of 28 dogs and 4 dogs?

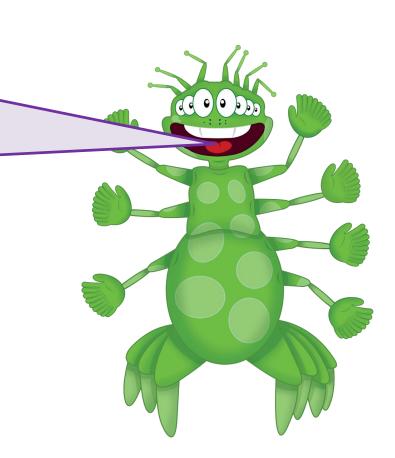


What is the total of 28 dogs and 4 dogs?

32

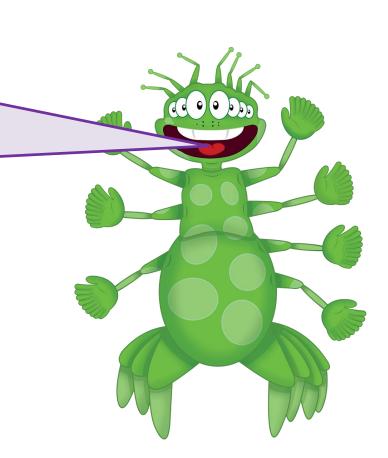


What is the total of 19 pens and 3 crayons?

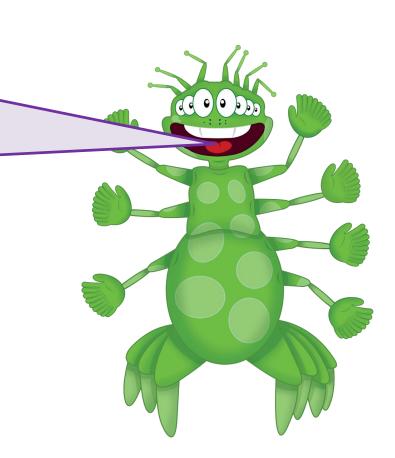


What is the total of 19 pens and 3 crayons?

22

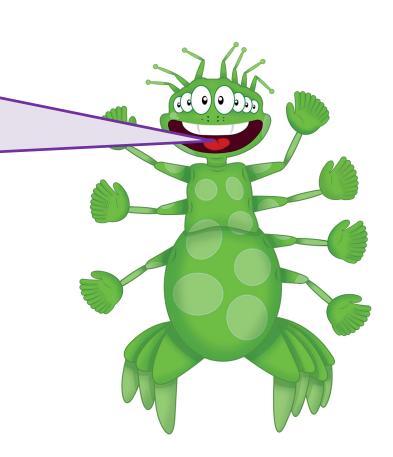


What is the total of 48 t-shirts and 3 t-shirts?

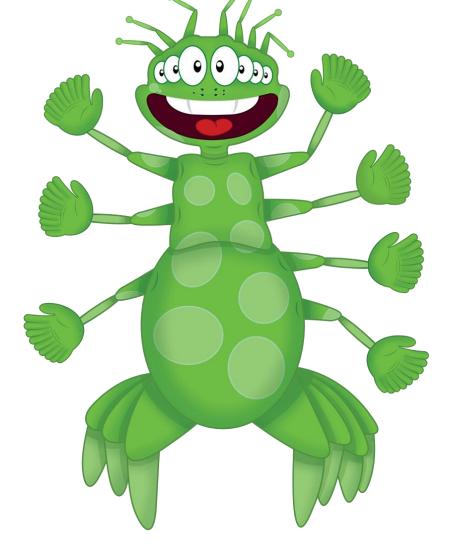


What is the total of 48 t-shirts and 3 t-shirts?

51



Well done!



Counting Learn Its Its Nothing New

Calculations

Calculations

Step 25 I can solve any 2d number + 2d number.



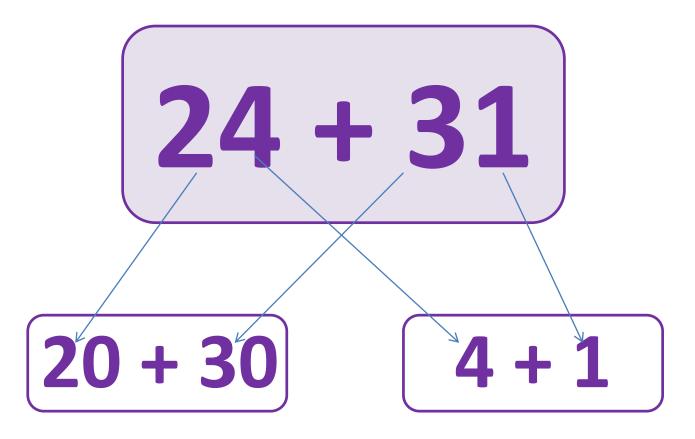
Remember to:

- partition the number
- write out the 2 new questions
- add the units
- add the tens
- add the units answer to the tens answer

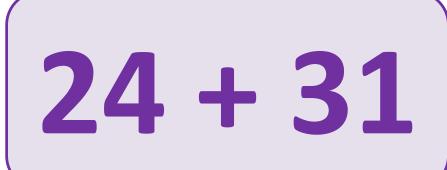




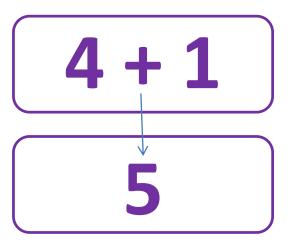
24 + 31



1. Partition the numbers and write out the 2 new questions

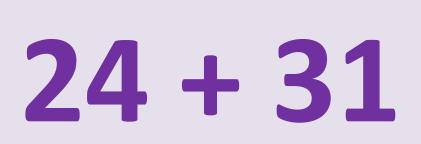


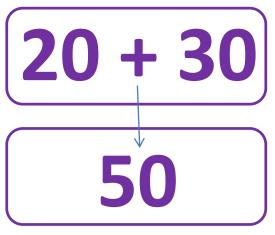
20 + 30



2. Add the units









5

3. Add the tens



24+31

+ 5



24 + 31

55

B

Well done, you have now completed your CLIC session!

Now it's your turn...

Big Maths Beat That!

Name:

My 'Beat That' score was...

Steps 1, 2, 3 - 20 seconds



$$2 + 1 =$$

Name:

My 'Beat That' score was...

Steps 4, 5, 6 - 30 seconds

BIG MATHS... BEAT THAT!



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

Name:

BIG MATHS...
BEAT THAT!

Steps 1 - 13 - 100 seconds



My 'Beat That' score was...

3+2=	6x2=	7+5=	8x2=	8+3=	5+4=	9+4=	4x2=
7+4=	6+6=	9x7=	9+2=	7x2=	5+5=	6x3=	6+4=
7x6=	4×3=	4+4=	8x5=	8+2=	8+4=	9+6=	4x4=
9x9=	4+3=	9+3=	3x3=	5x2=	6+2=	5x5=	8x6=
5+2=	5+3=	2+2=	8+5=	9x5=	9+5=	8+7=	6x5=
6+5=	7x7=	9x6=	6x6=	4+2=	7x5=	9+7=	9x3=
7x3=	7+6=	7+2=	3x2=	9+8=	6+3=	9x4=	5x3=
8×4=	8×3=	9x8=	8x7=	8x8=	7+7=	9x2=	6x4=
3+3=	7+3=	8+6=	8+8=	2x2=	9+9=	5x4=	7x4=

24 Questions in 60 seconds



How you can Support Big Maths at home.

Maths games

http://www.davidlivingstone-pri.slanark.sch.uk/wordpress/?page_id=2558

https://www.topmarks.co.uk/maths-games/hit-the-button

https://www.topmarks.co.uk/Flash.aspx?f=BingoMul
tiplicationv9

*Quick fire questions

*Flashcards (Learn its)

What do the children think?

I love the little songs we sing for our numbers.

(Primary 1 child)

Big Maths helps me pop the answer out. I don't need to use my fingers anymore.

(Primary 2 child)

I was nervous about learning my multiplication tables but Big Maths made it easier and it meant I was more confident each day.

(Primary 3 child)

Big Maths has made my maths really fast. I like being the first one with my whiteboard in the air and trying to beat my 'Beat That' score.

(Primary 5 child)

I enjoy the Big Maths Beat that tests, I like to beat my score! The Learn Its have helped me get better at my tables.

(Primary 7 child)

Quick Questions?

