Tick the statements that are true.

$\frac{3}{5}$ is greater than $\frac{3}{7}$ ☐

$1\frac{3}{8}$ is less than $\frac{7}{8}$ ☐

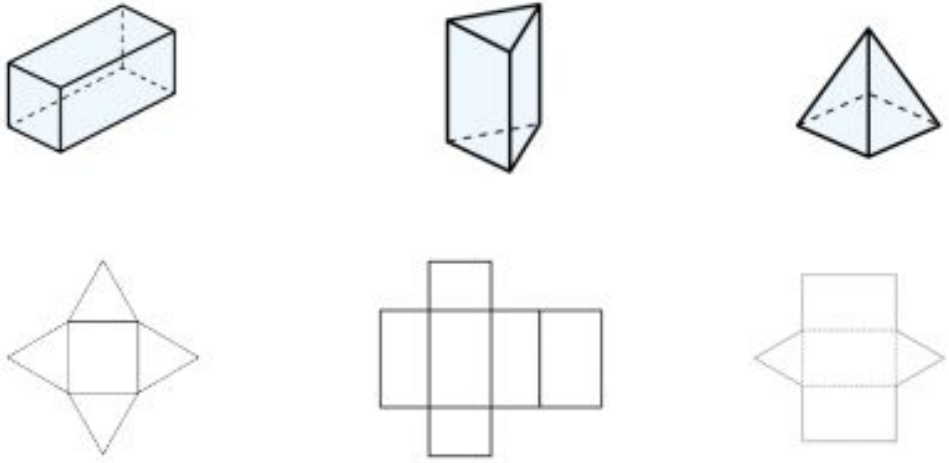
$\frac{2}{8}$ is equal to $\frac{5}{20}$ ☐

$2\frac{1}{4}$ is greater than $\frac{11}{4}$ ☐

Have a go at these questions.

What would a child need to know and understand to solve them?

4 Match the 3D shapes to their net.



GILES BROOK SCHOOL

Mathematics Information Evening

Years 4 - 6

GILES BROOK SCHOOL

Mathematics Workshop Years 4-6

Aims

- For you to feel more knowledgeable and confident about the what, why and how of your child's learning in Maths
- To know how you can support your child at home with Maths

Our curriculum intent...

We want children to be secure in their knowledge and understanding of maths and fluent in their application of it, so that they can find enjoyment in solving mathematical problems with growing confidence and have the necessary skills to move on successfully to the next stage of their education.

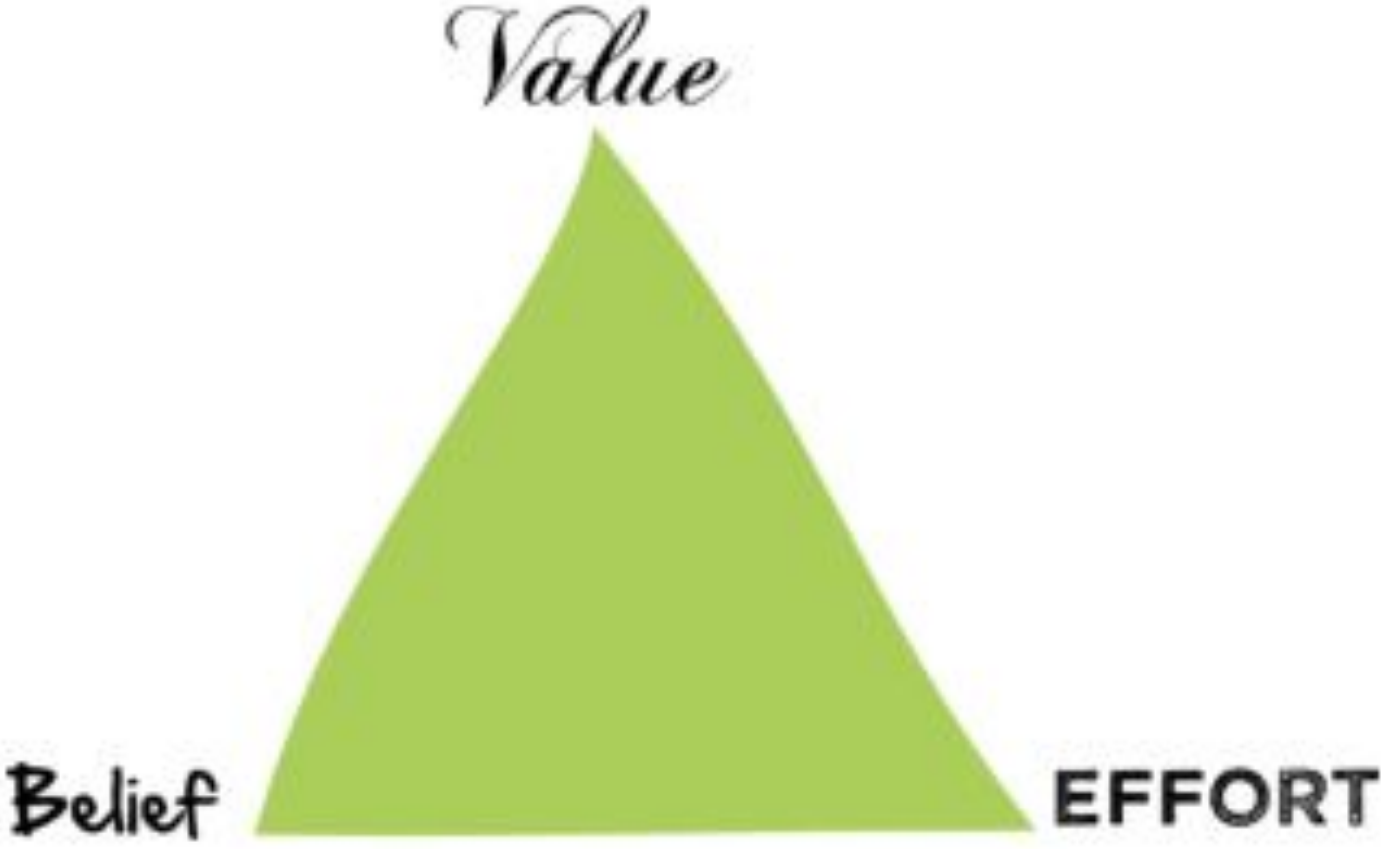
A Mastery approach to teaching Mathematics….

- Secure in knowledge of number
- Able to apply knowledge when solving calculations
- Can make connections between concepts
- Can recognise and explain patterns

Stanford MEDICINE

National Numeracy
for everyone, for life

nationalnumeracy.org.uk


Value
Belief
EFFORT

Helpful Videos…

Addition	Subtraction	Multiplication	Division	Fractions, Decimals & Percentage		
Concrete and pictorial resources https://www.youtube.com/watch?v=KNt2uP8VBM0&list=PLApB0B2txnj7y3ls-KXwwpIDX5I1kNo_I&index=8	Subtraction using a 10 frame https://www.youtube.com/watch?v=Cc4wrkXsKj8	Repeated addition on a number line https://www.youtube.com/watch?v=wksK99VN7Cs	Sharing equally using arrays https://www.youtube.com/watch?v=mwig70aQuHI&list=PLZXaB-dpg4q0v8JWmIfV1hYleAOp0GAPQ&index=2	What are fractions? https://www.youtube.com/watch?v=Cy2qMba9ruk	Finding fractions of amounts of objects and numbers https://www.youtube.com/watch?v=TXJOIs7vXMs	Equivalent fractions https://www.youtube.com/watch?v=qcHHhd6HizI
Number line https://www.youtube.com/watch?v=6i1XG26XgKQ&list=PLApB0B2txnj7y3ls-KXwwpIDX5I1kNo_I&index=11	Number line https://www.youtube.com/watch?v=hES1mvRqvp4	Arrays https://www.youtube.com/watch?v=XOyOVDMjUdo	Short division https://www.bbc.co.uk/bitesize/topics/z36tyrd/articles/zgxdfcw	Adding and subtracting fractions https://www.bbc.co.uk/bitesize/topics/zhdwxnb/articles/z9n4k7h	Multiplying fractions https://farnboroughprimary.co.uk/wp-content/uploads/2020/04/Multiplying-Fractions-Landscape.mp4?_=3	Dividing fractions by integers https://www.bbc.co.uk/bitesize/articles/zhw8wty
Formal written method https://www.youtube.com/watch?v=iwNA3uEC14I	Formal written method https://www.bbc.co.uk/bitesize/topics/zy2mn39/articles/zc78srd	Short multiplication (x a single digit) https://www.youtube.com/watch?v=k68CPfcehTE	Long Division https://www.youtube.com/watch?v=ZFYLSoUMYs4&t=93s	Converting improper fractions to mixed numbers https://www.bbc.co.uk/bitesize/articles/z4ypscw	Decimals explained https://www.youtube.com/watch?v=t9vqm2eM5mk	Compare and order decimals https://www.bbc.co.uk/bitesize/articles/zqn7wnb
		Long multiplication (x by 2 digits or more) https://farnboroughprimary.co.uk/wp-content/uploads/2020/04/Long-Multiplication_Trim.mp4?_=2	Multiplying and dividing by 0, 1, 10 and 100 https://www.bbc.co.uk/bitesize/topics/z36tyrd/articles/z2fkwxs	Fractions to decimals https://www.youtube.com/watch?v=mtX8mhHtqrc&list=PLZXaB-dpg4g03cgU7eOGVfz9iQkAhtK9X&index=3	Adding and subtracting decimals https://www.bbc.co.uk/bitesize/articles/zyhcbqt	Multiplying decimals by a whole number https://www.youtube.com/watch?v=BAwkn4hGGyg
				Percentages explained https://www.bbc.co.uk/bitesize/topics/znjqtfr/articles/z8ws3k7	Equivalent fractions, decimals and percentages https://www.youtube.com/watch?v=0AITcfW7nFo&list=	Finding percentage of an amount https://www.bbc.co.uk/bitesize/articles/zvxnv82

Number Facts - number bonds and times tables

Addition and subtraction facts

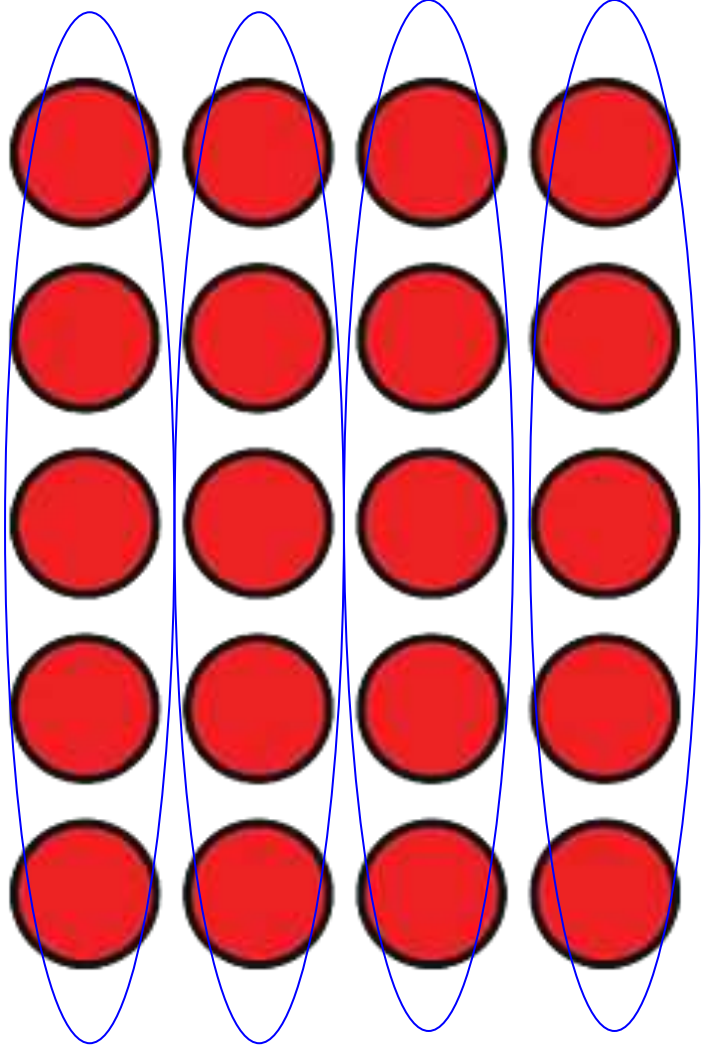
The full set of addition calculations that pupils need to be able to solve with automaticity are shown in the table below. Pupils must also be able to solve the corresponding subtraction calculations with automaticity.

+	0	1	2	3	4	5	6	7	8	9	10
0	0+0	0+1	0+2	0+3	0+4	0+5	0+6	0+7	0+8	0+9	0+10
1	1+0	1+1	1+2	1+3	1+4	1+5	1+6	1+7	1+8	1+9	1+10
2	2+0	2+1	2+2	2+3	2+4	2+5	2+6	2+7	2+8	2+9	2+10
3	3+0	3+1	3+2	3+3	3+4	3+5	3+6	3+7	3+8	3+9	3+10
4	4+0	4+1	4+2	4+3	4+4	4+5	4+6	4+7	4+8	4+9	4+10
5	5+0	5+1	5+2	5+3	5+4	5+5	5+6	5+7	5+8	5+9	5+10
6	6+0	6+1	6+2	6+3	6+4	6+5	6+6	6+7	6+8	6+9	6+10
7	7+0	7+1	7+2	7+3	7+4	7+5	7+6	7+7	7+8	7+9	7+10
8	8+0	8+1	8+2	8+3	8+4	8+5	8+6	8+7	8+8	8+9	8+10
9	9+0	9+1	9+2	9+3	9+4	9+5	9+6	9+7	9+8	9+9	9+10
10	10+0	10+1	10+2	10+3	10+4	10+5	10+6	10+7	10+8	10+9	10+10

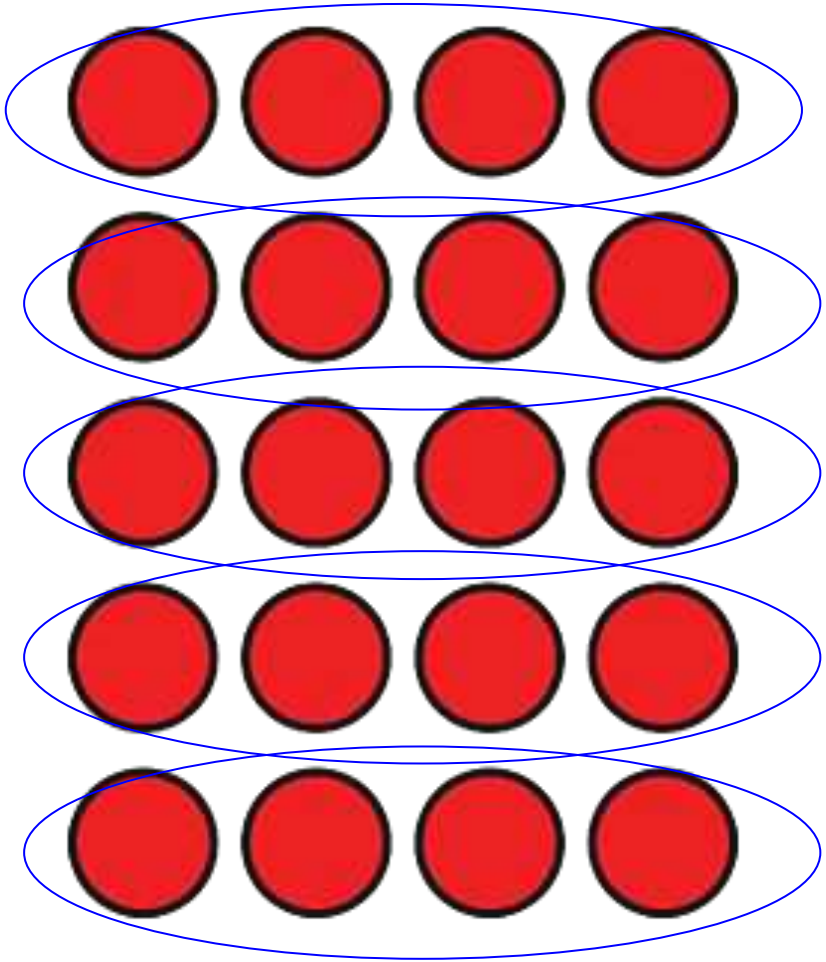
X	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

[EYFS Curriculum]

[Multiplication Check Year 4]



4 x 5 = 20



$4 \times 5 = 20$

$5 \times 4 = 20$

$20 \div 5 = 4$

$20 \div 4 = 5$

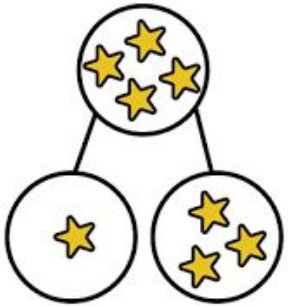
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Unit 1	-Number bonds within and to 5 -Number bonds within and to 10 -Number bonds within and to 20 -Experience of counting in 1s, 2s, 5s, and 10s (forwards and backwards).	Number bonds within and to 10 and 20.	Number bonds within and to 10 and 20.	4x, 8x	4x, 8x	3x, 6x, 9x
Unit 2		1x, 2x	2x, 4x	6x, 12x	3x, 6x	11x, 12x
Unit 3		5x	4x, 8x,	x9	6x, 12x	7x, 8x
Unit 4		10x	3x	x7	x7	Data Informed
Unit 5		SATS	3x, 6x	x11/Practise MTC	x9	SATS
Unit 6		Revision	Revision	Revision/MTC	Revision	Revision

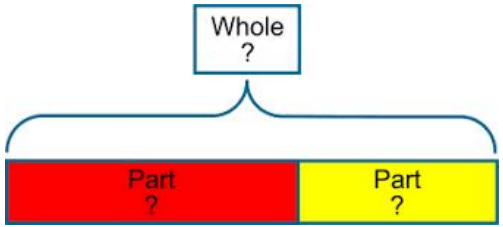
Number Facts - number bonds and times tables

https://play.numbots.com/#/intro

https://play.ttrockstars.com/

Concrete, Pictorial, Abstract - The CPA approach

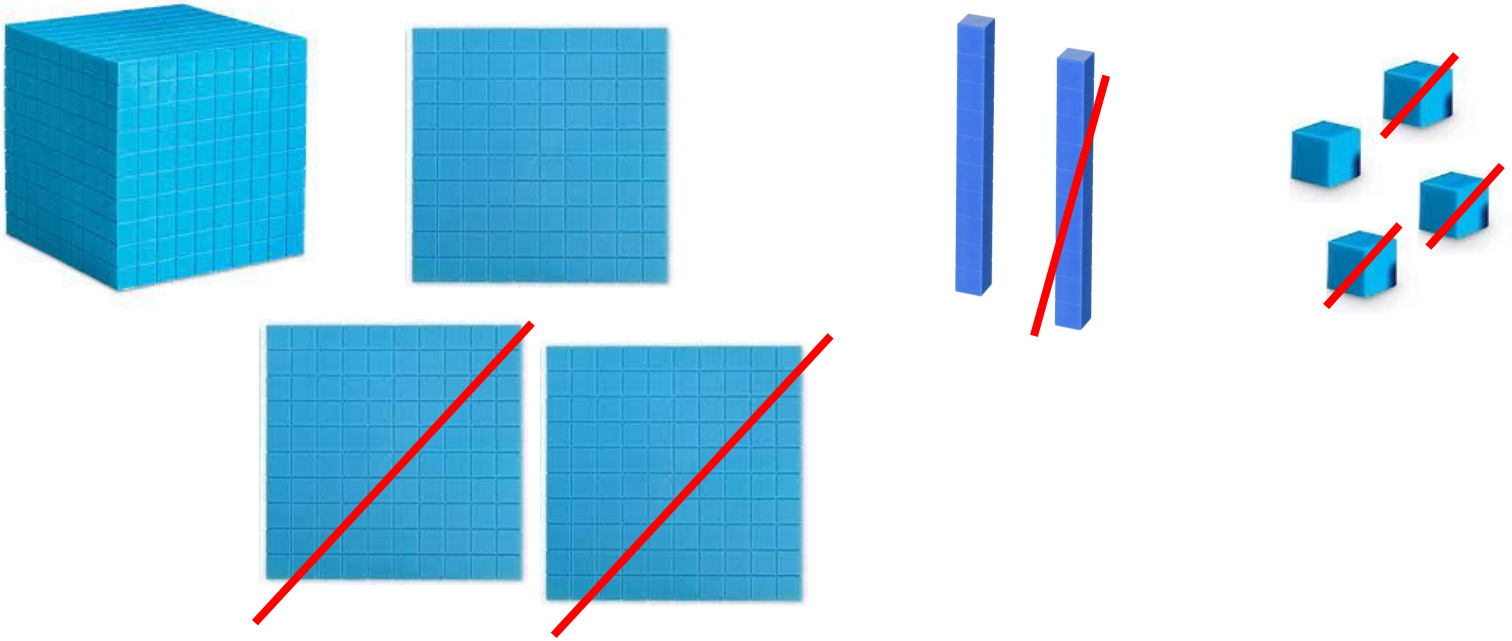




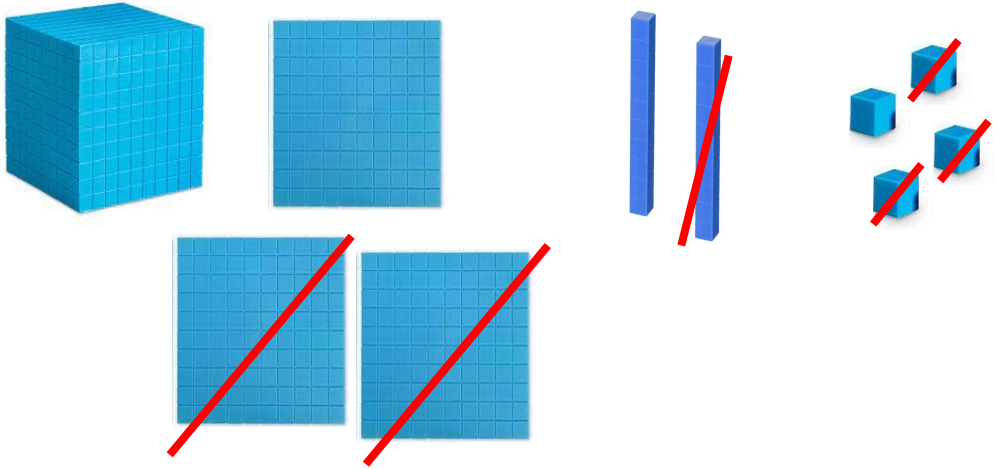
$$\begin{array}{r} {}^{6}\cancel{7}^{1}2 \\ -\ 5\ 6 \\ \hline 1\ 6 \end{array}$$

Concrete, Pictorial, Abstract - The CPA approach

1,324 - 213 =

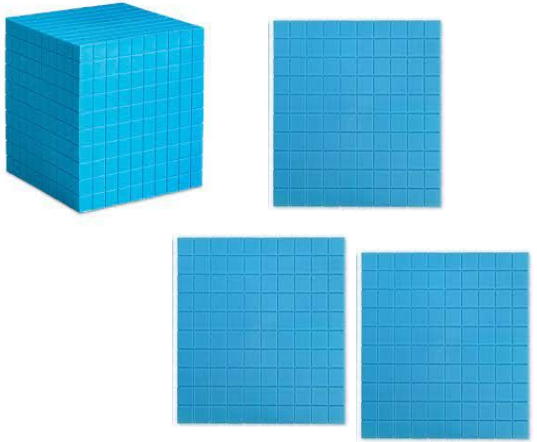


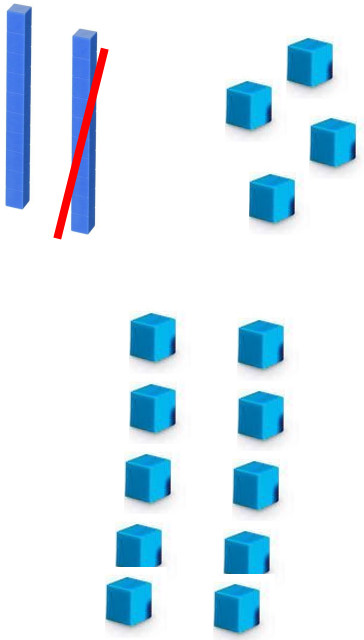
Concrete, Pictorial, Abstract - The CPA approach



$$\begin{array}{r} 1\,3\,2\,4 \\ -\quad 2\,1\,3 \\ \hline \end{array}$$

Concrete, Pictorial, Abstract - The CPA approach





$$\begin{array}{r} {}^{1}1\,3\,{}^{1}\!\not{2}\,4 \\ -\quad 2\,1\,5 \\ \hline \end{array}$$

The Four Operations… Addition and Subtraction

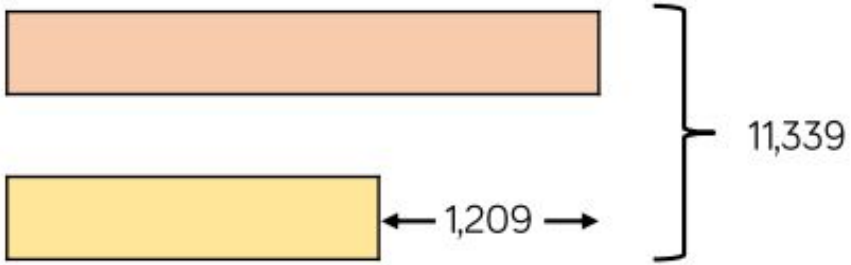
The number being represented is ____.

Add 3 thousands to the number. What do you have now?

Add 3 hundreds to the number. What do you have now?

Subtract 3 tens from the number. What do you have now?

Add 5 ones to the number. What do you have now?



	3	2	4	6	1
+		4	3	5	2

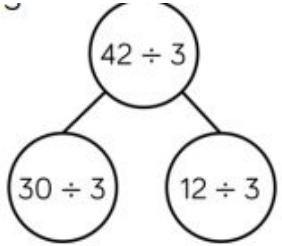
	Th	H	T	O
	5	6	$3\not{4}$	1_{3}
−	4	3	1	6
	1	3	2	7

The Four Operations… Multiplication and Division

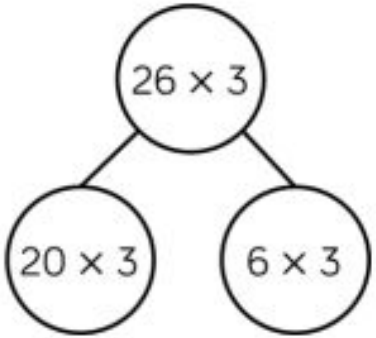
2 x 4 = 8
so 20 x 4 = 80

3 x 6 = 18
so 3 x 600 = 1800

	H	T	O
		3	4
×			5
	1	7	0
	1	2	



	1	2	2	3
4	4	8	9	12



		2	3
×		1	4
		9	2
	2	3	0

(23 × 4)
(23 × 10)

		0	3	6
1	2	4	3	2
	–	3	6	0
			7	2
	–		7	2
				0

(×30)
(×6)

Multiples of 12:

12 × 1 = 12
12 × 2 = 24
12 × 3 = 36
12 × 4 = 48
12 × 5 = 60
12 × 6 = 72
12 × 7 = 84
12 × 8 = 96
12 × 7 = 108
12 × 10 = 120

Supporting Maths learning at home

- Be positive
- Encourage practise of facts whenever possible
- Use our calculation policy and bank of videos to help with homework
- If unsure, contact the class teacher or encourage your child to ask their teacher