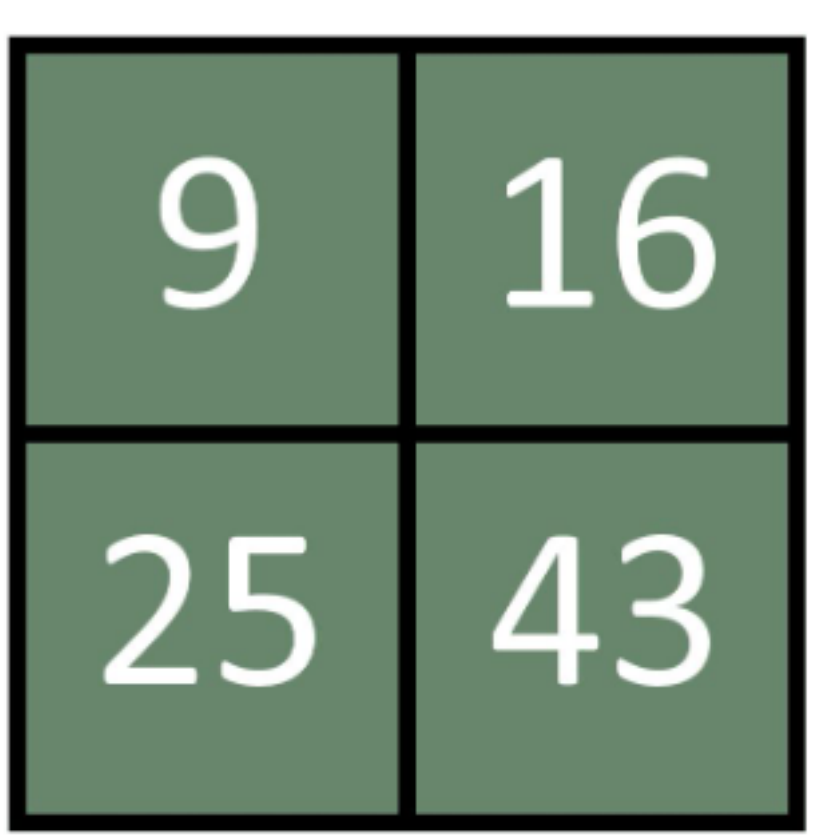
Which one doesn't belong?



Can you find a reason why each number is different to the rest?

Example,
9 is the only single digit.

25 is the only number that is a multiple of 5.

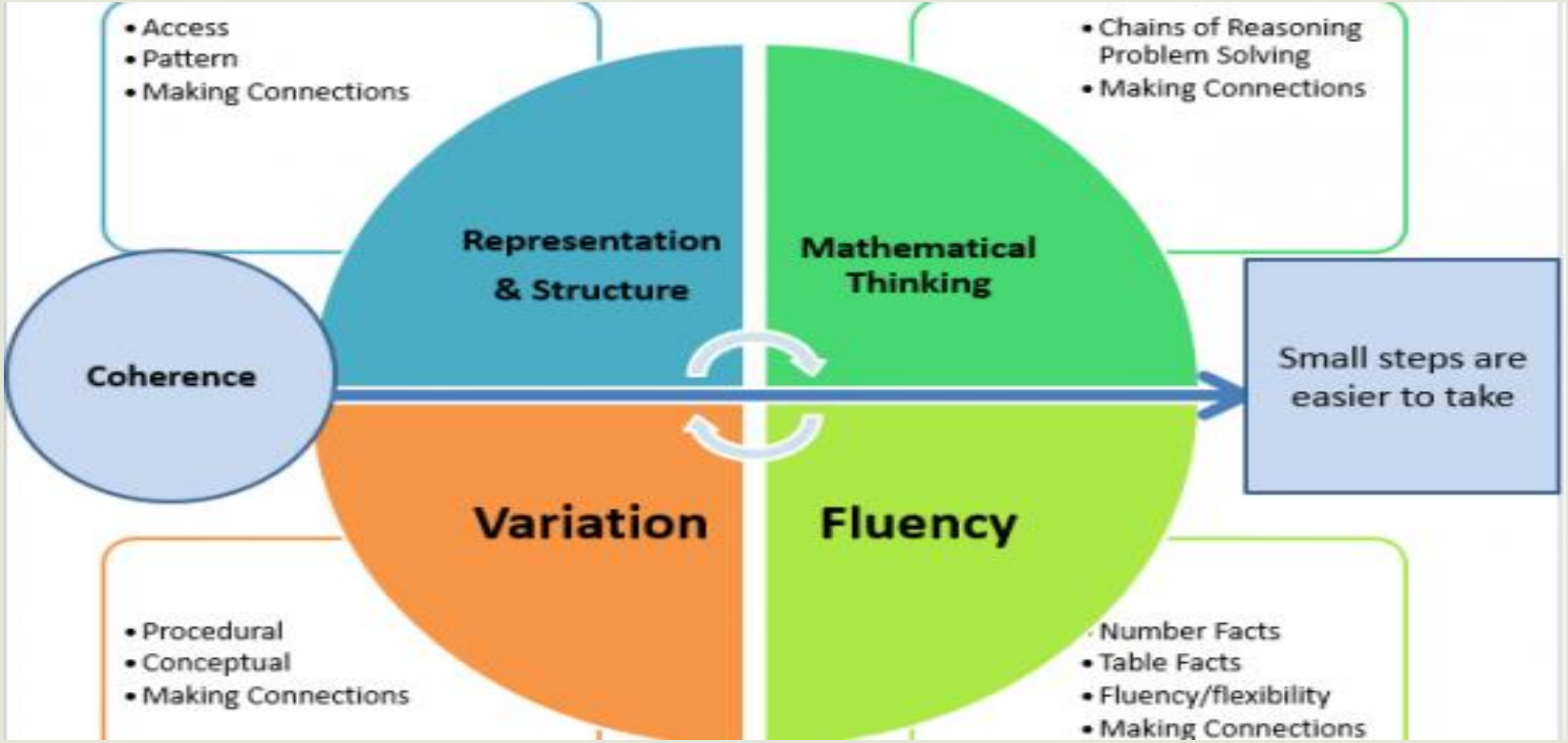
Mathematics workshop

Wednesday 22nd November

Aims of session

- Give you information to help you to support your children
- An overview of how we approach maths at Glynne
- Maths mindset
- Mental calculations
- Formal calculations

How we approach maths at Glynne



How we approach maths at Glynne

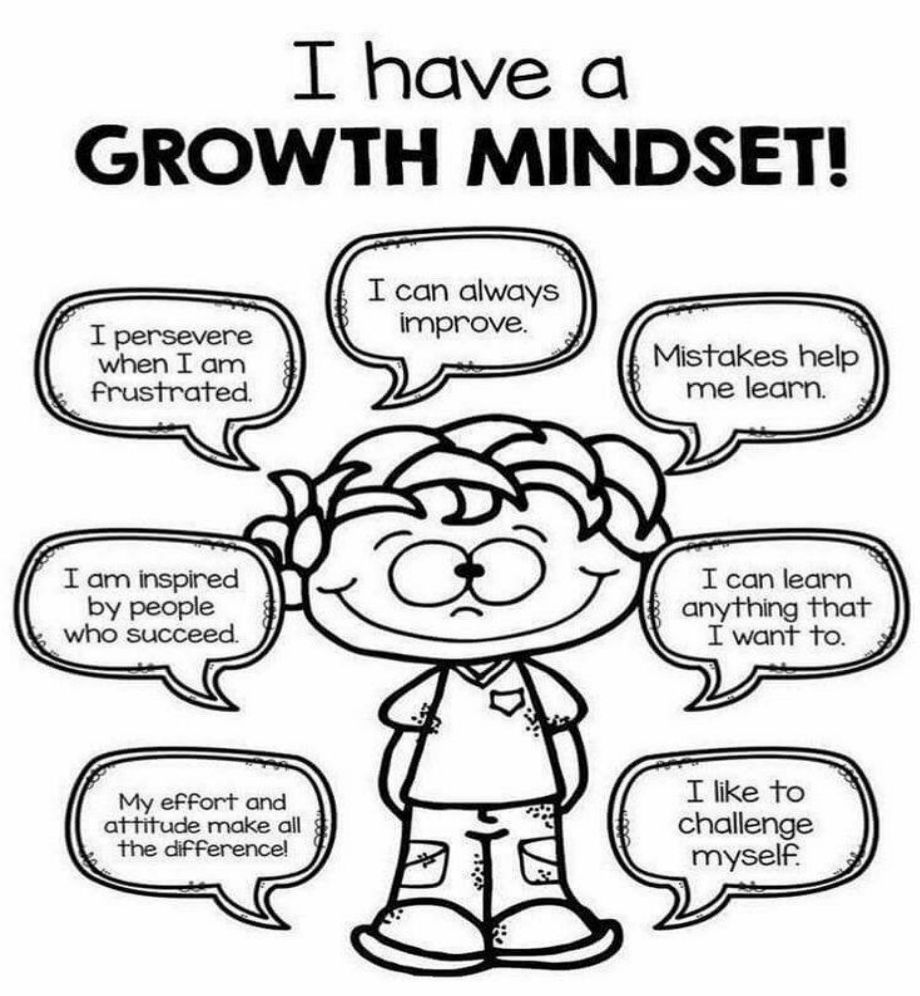
Our curriculum aims to equip children for the next stage in their education and with the mathematical skills for life.

We aim to produce confident, flexible mathematicians who are fluent, can see links and use prior knowledge to tackle areas of unfamiliar maths.

Maths mindset

- ‘a growing body of evidence that students’ mindsets play a key role in their math and science achievement. Students who believe that intelligence or math and science ability is simply a fixed trait (a fixed mindset) are at a significant disadvantage compared to students who believe that their abilities can be developed (a growth mindset)’. (Dweck 2008 - **Read the full paper here**)

- “I don’t do maths”

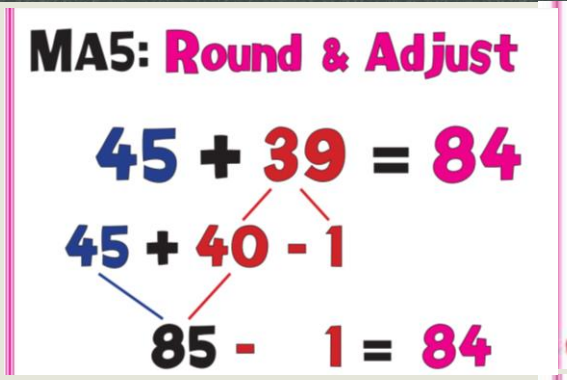


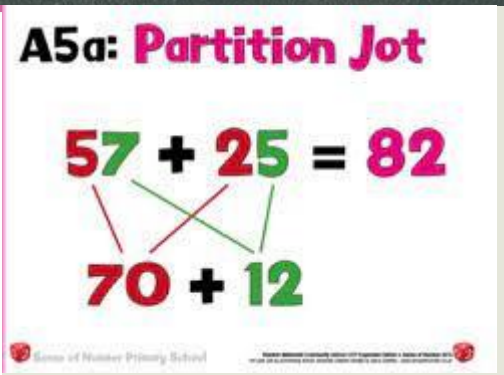
- Flexible
- See links
- Not afraid to take risks
- Underpinned by solid foundations

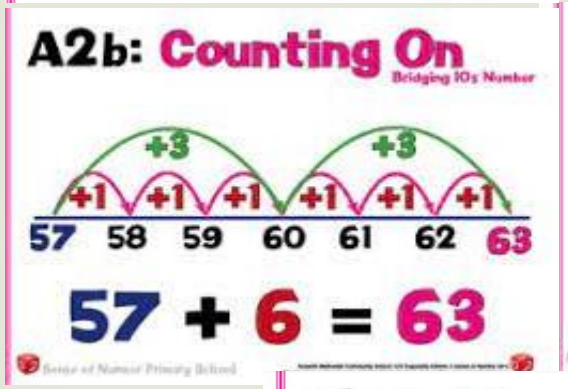
How would you solve?

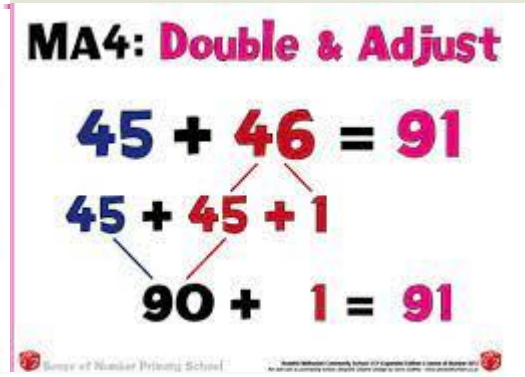
34+38=

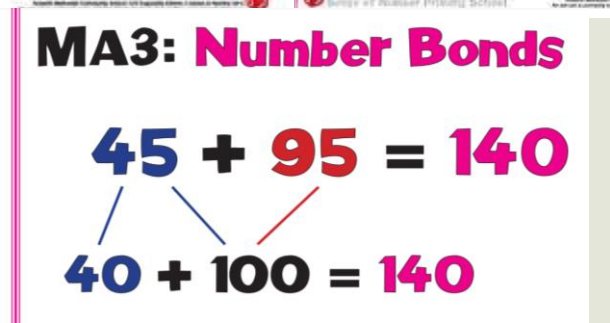
Mental calculations



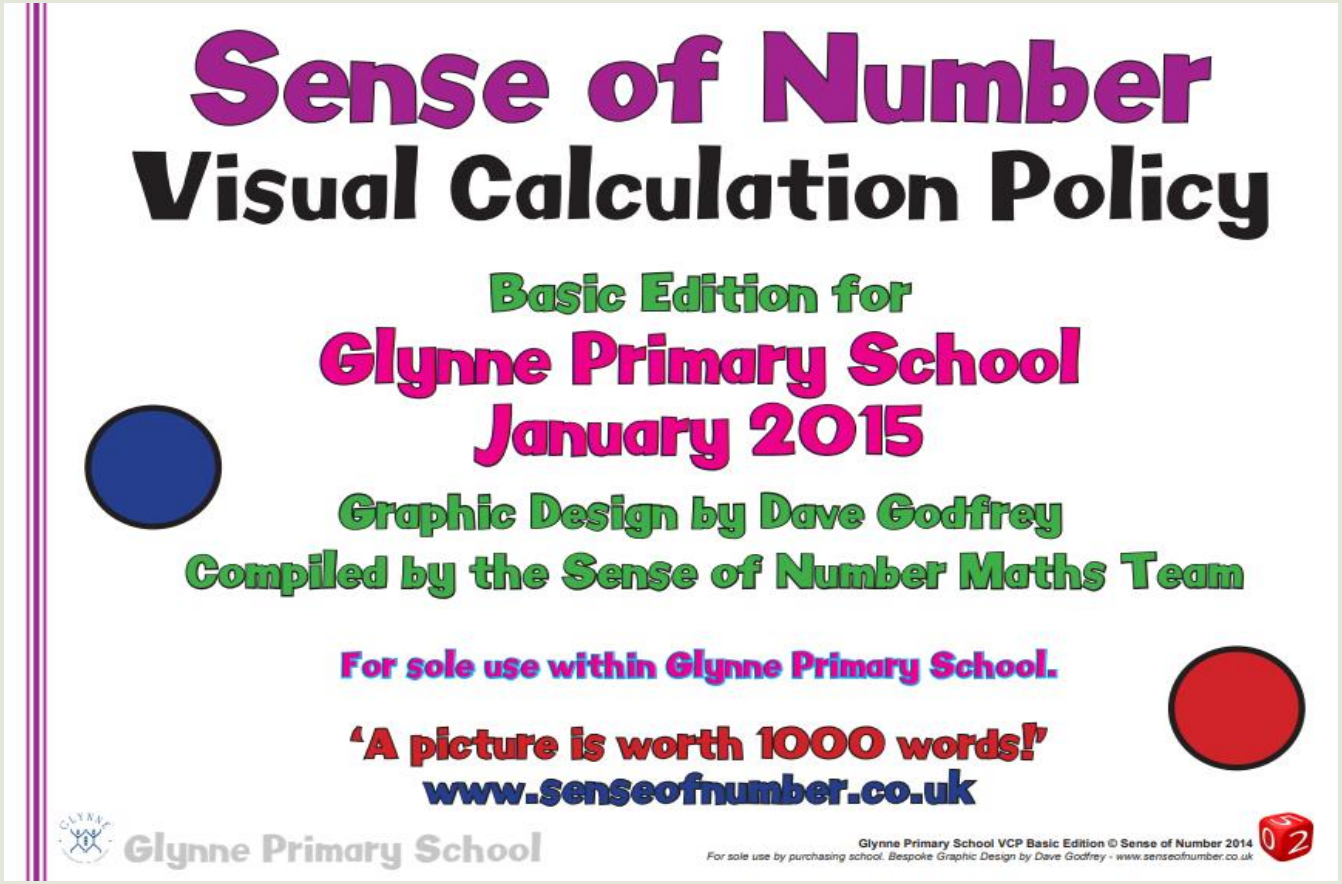


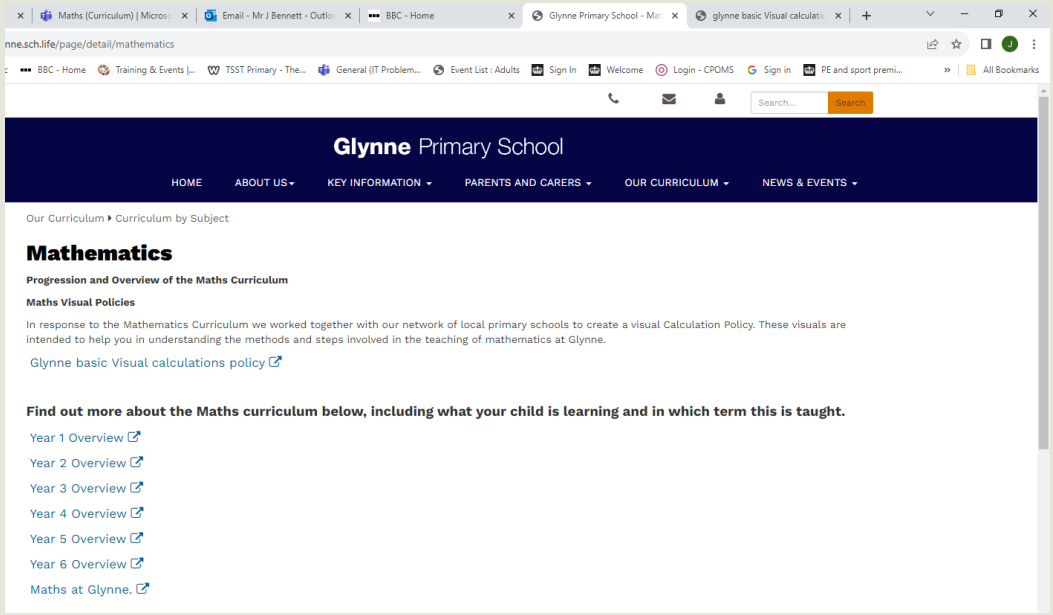






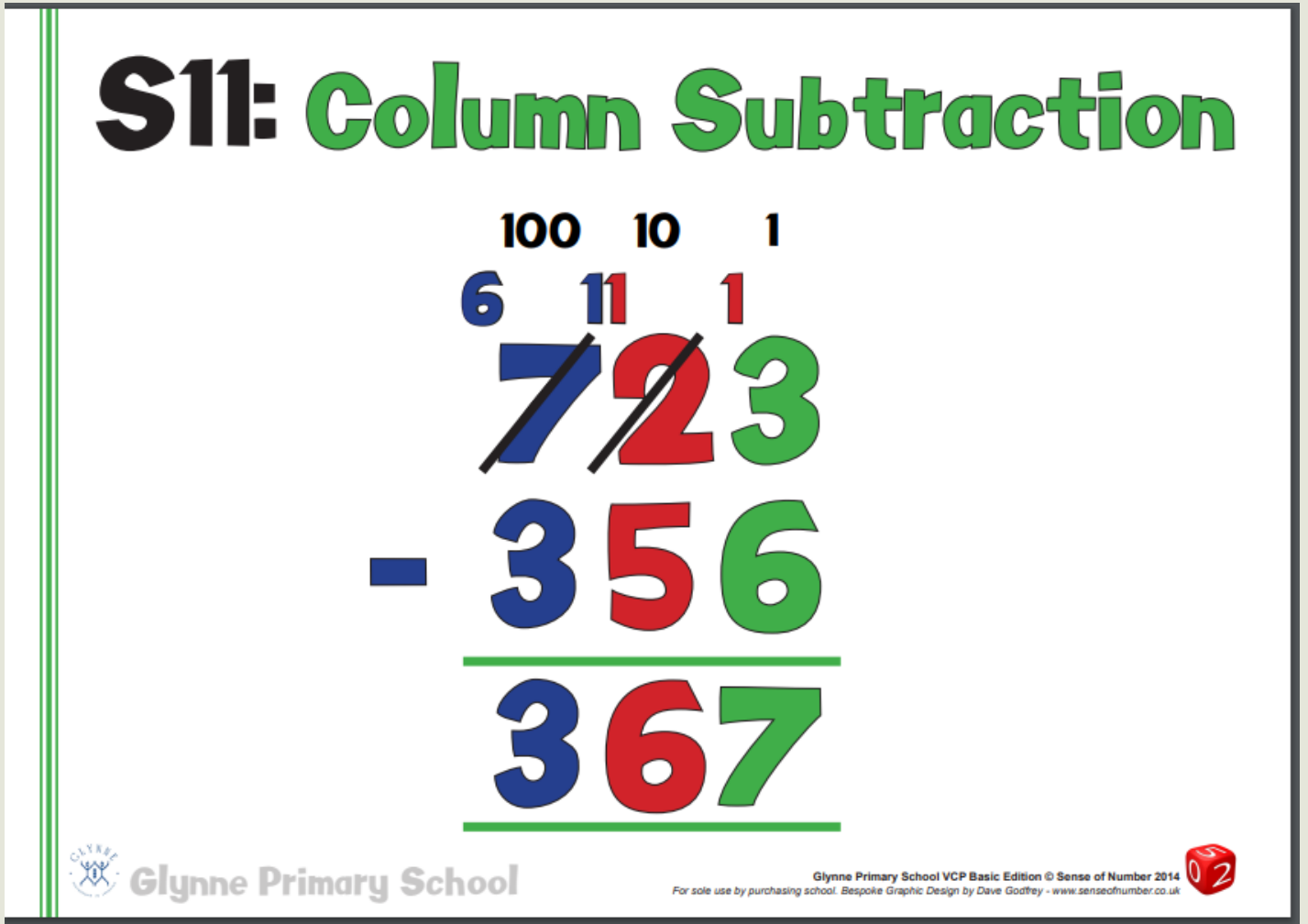
Formal Calculations -



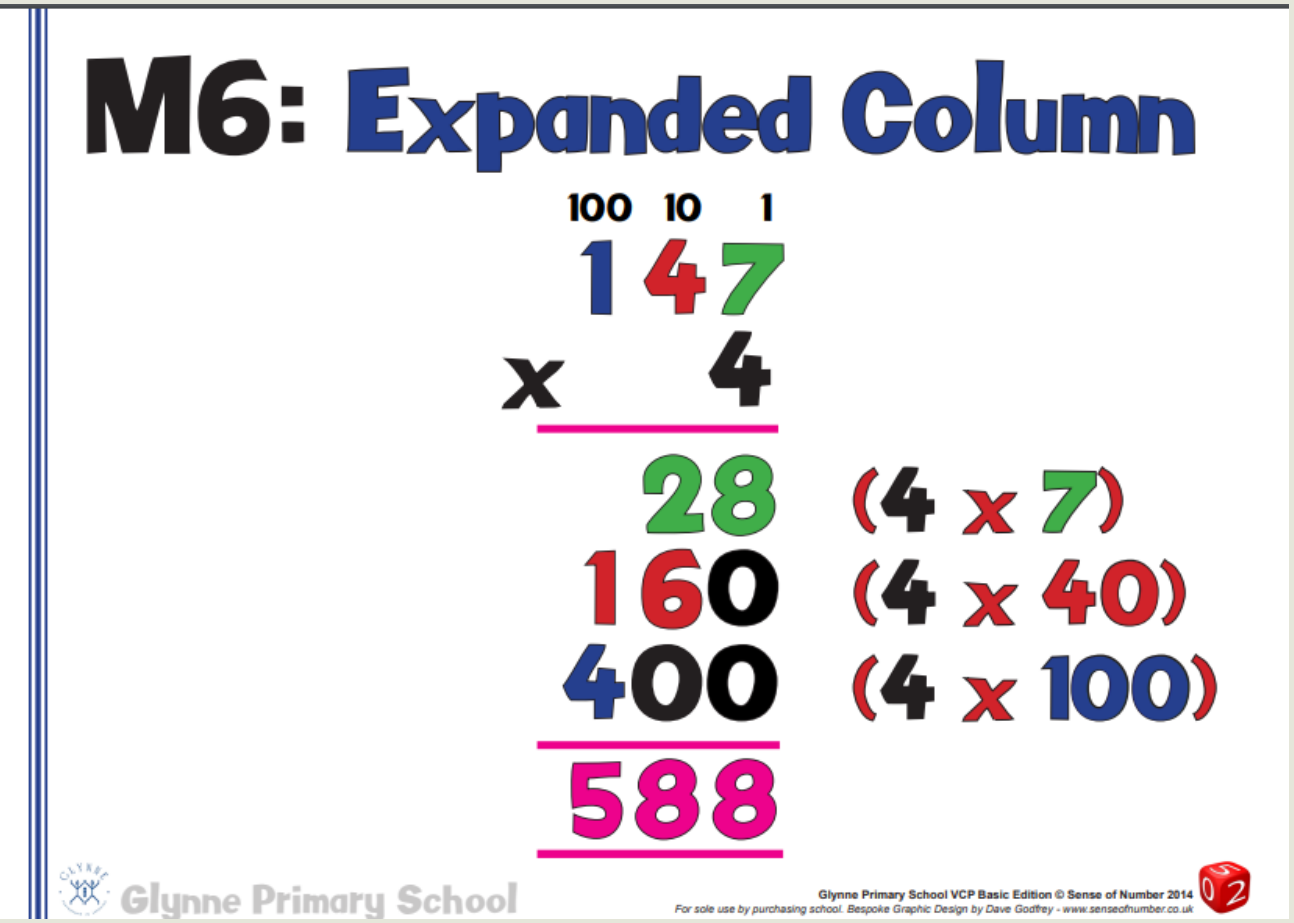


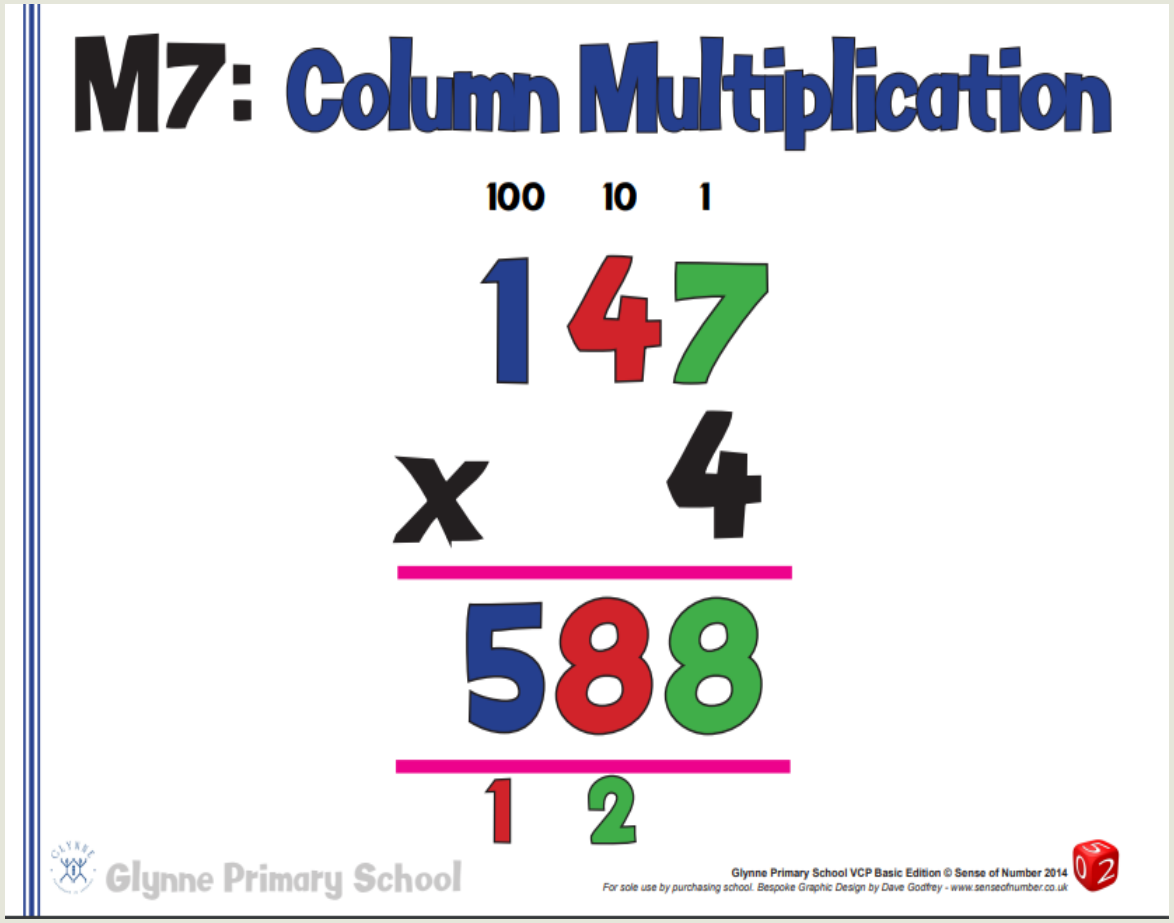
Policy available on website

Formal Calculations - Addition and subtraction

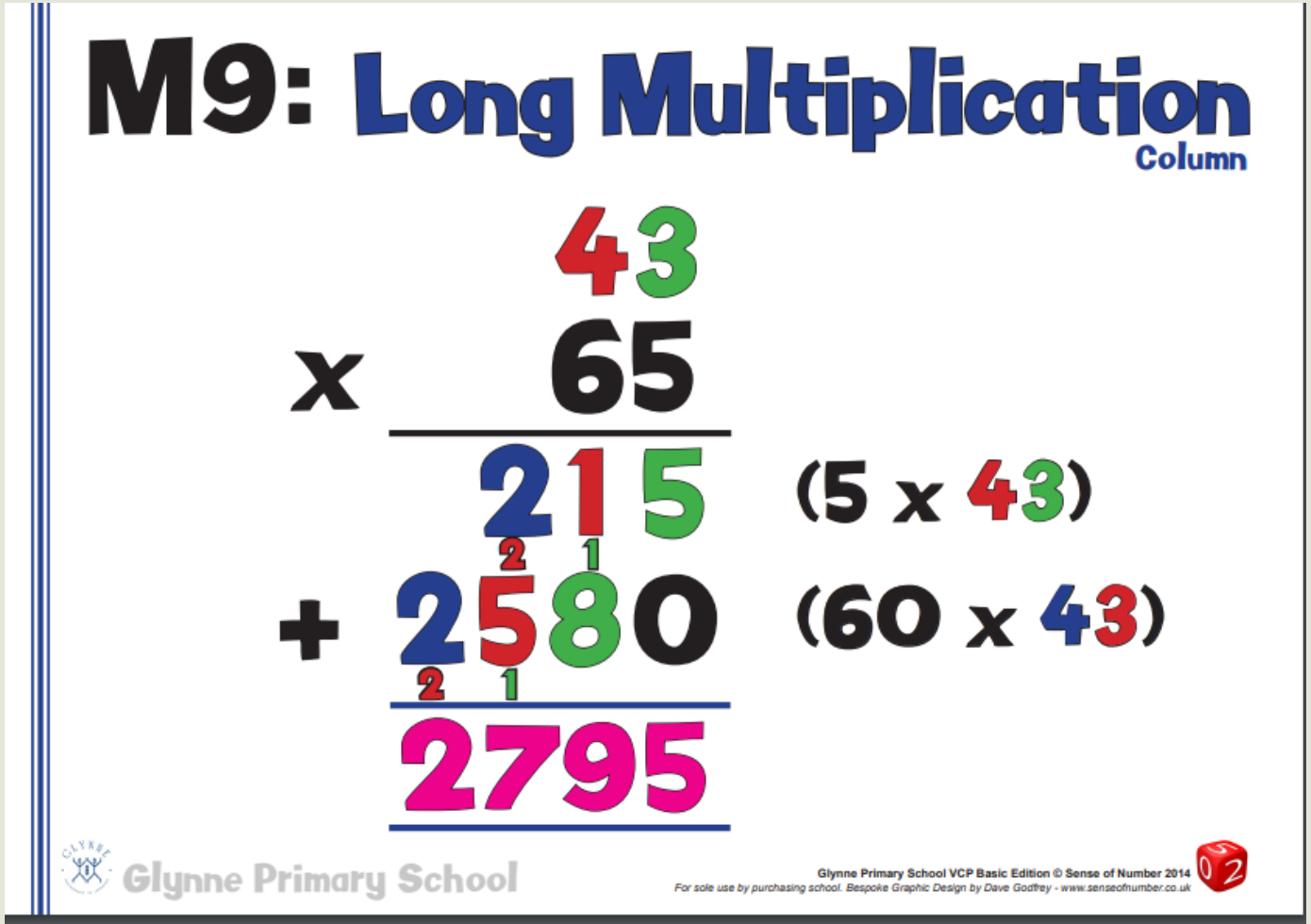


Formal Calculations - Multiplication

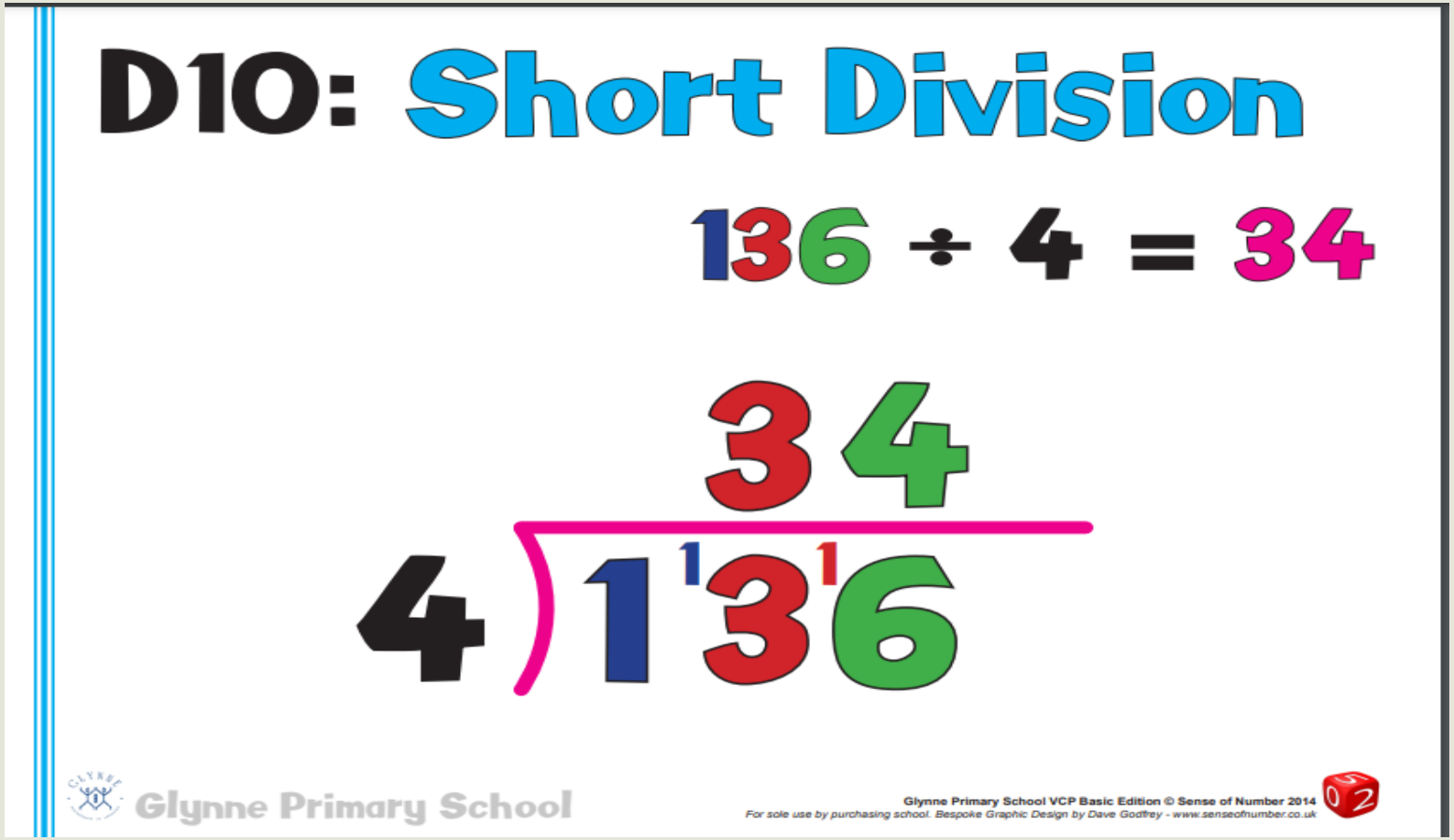




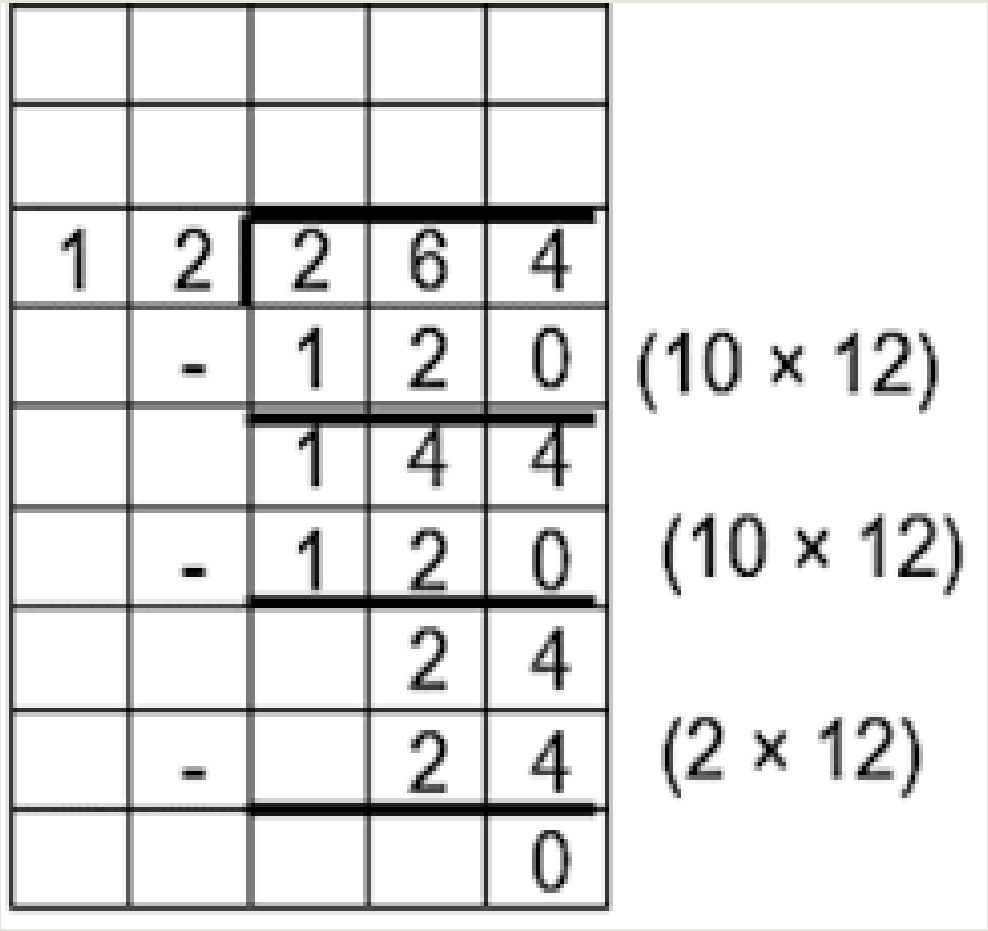
Formal Calculations - Multiplication



Formal Calculations - Division



Formal Calculations - Division



Formal Calculations - Division

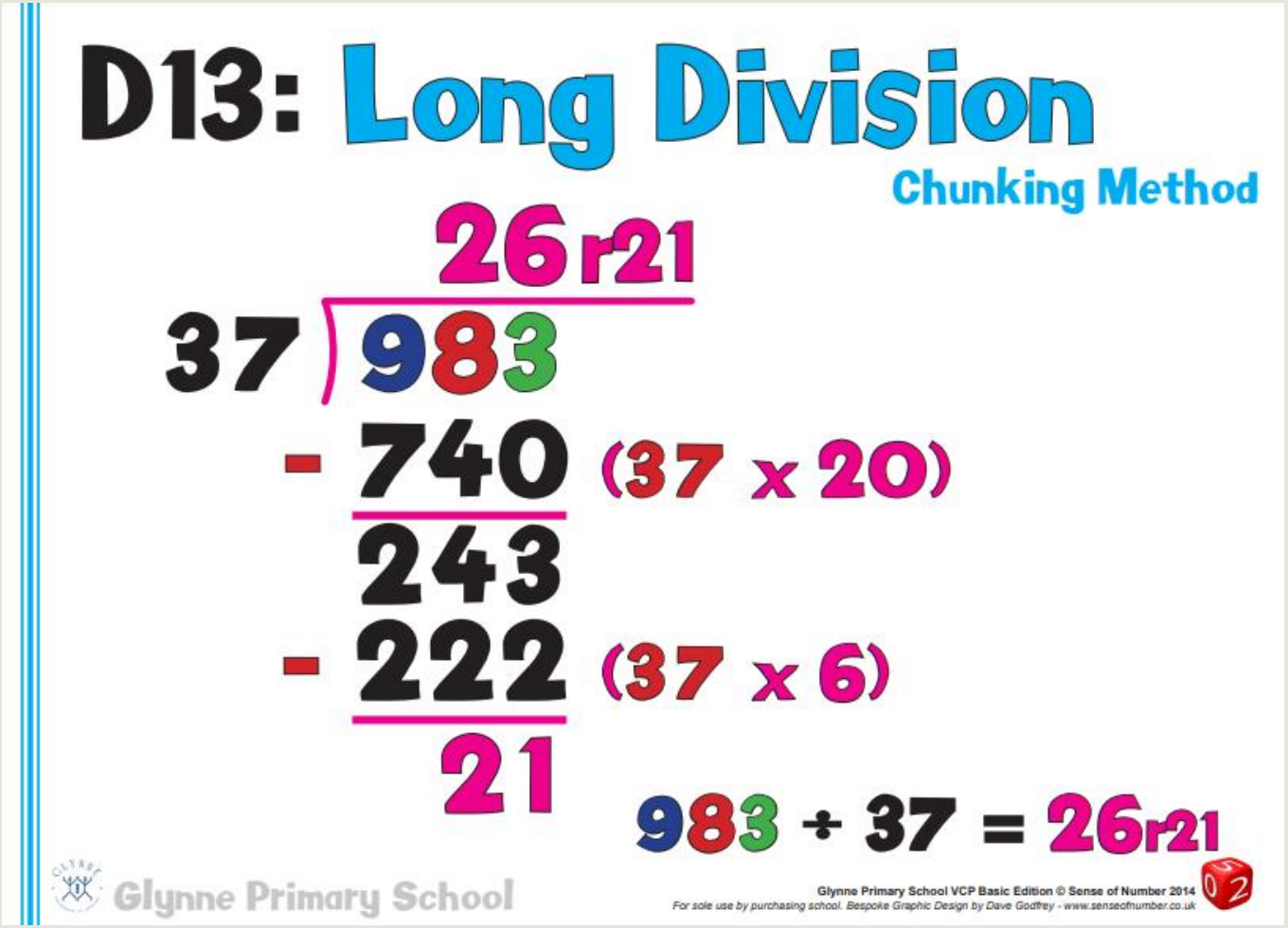
432 ÷ 15 becomes

			2	8	
1	5	4	3	2	
		3	0	0	15×20
		1	3	2	
		1	2	0	15×8
			1	2	

$\frac{\cancel{12}}{\cancel{15}} = \frac{4}{5}$

Answer: $28\frac{4}{5}$

Formal Calculations - Division



Calculations –

$$\begin{array}{r} 734 \\ \times\ 74 \\ \hline \end{array}$$

$$7\overline{)2982}$$

$$46\overline{)1196}$$

	Th	H	T	O
	2	4	5	7
+	3	9	1	6

	Th	H	T	O
	8	9	3	2
−	4	1	5	7

$$21\overline{)9139}$$