Visual Calculation Policy Sense of Number

Toner Avenue Primary School Expended Edition for **March 2015**



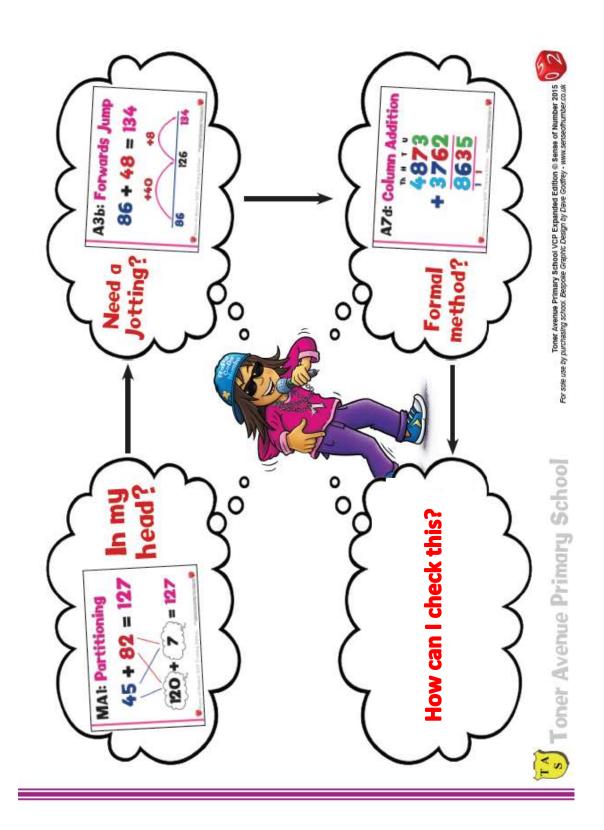
For sole use within Toner Avenue Primary School.

"A picture is worth 1000 words!" www.senseofhumbef.co.uk





We want our pupils to make decisions. We help our pupils make choices to be fast and efficient at maths.



KC1: Key Concepts!

8 + 2 = 10

"What is 8 add 2?" Answer: 10



Addition Subtraction

8 - 2 = 6

"What is 8 subtract 2?" Answer: 6 "The difference between 8 and 2 is 6"





KC2: Key Concepts! Multiplication Division

 $8 \times 2 = 16$

"8 multiplied by 2" means "8, 2 times" or "2 groups of 8"

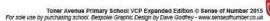




$$8 \div 2 = 4$$

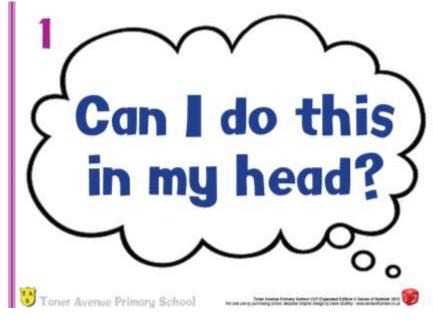
"8 divided by 2" means "How many groups of 2 are there in 8?" Answer: 4

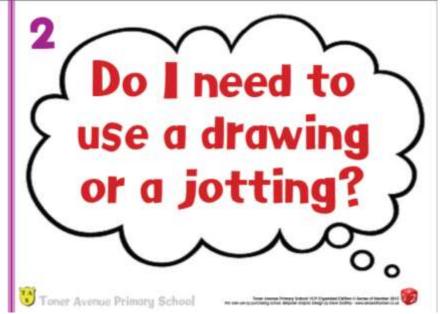
("8 shared into 2 sets is 4")



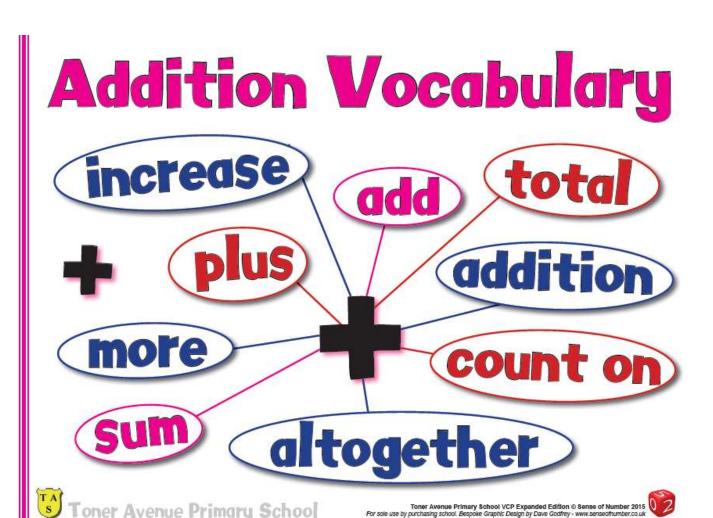


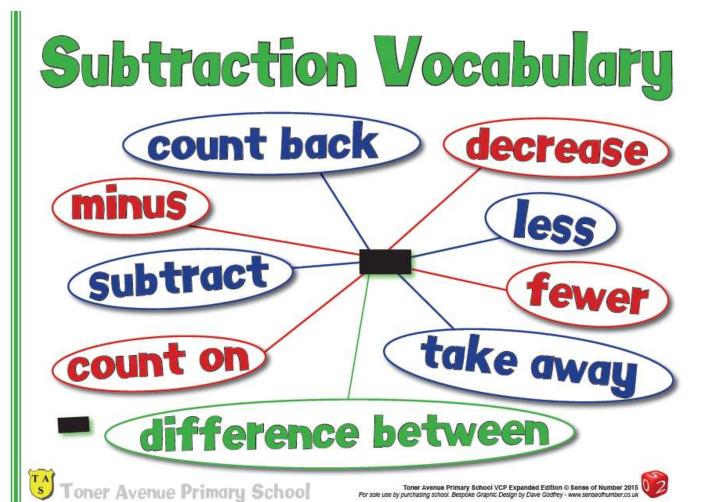
Before we answer questions, this is what we consider.

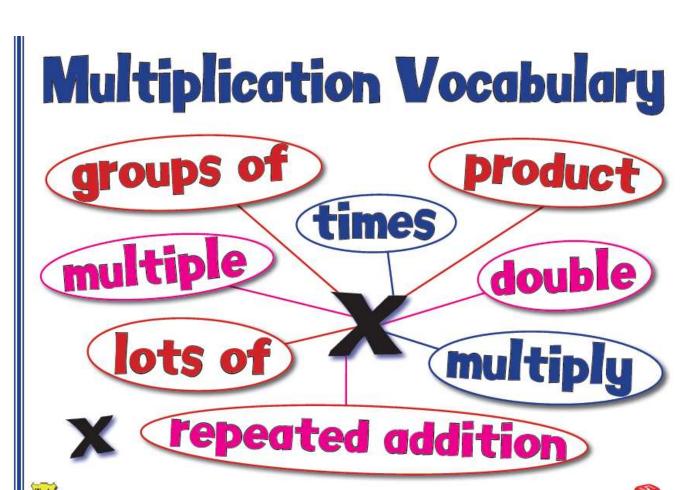




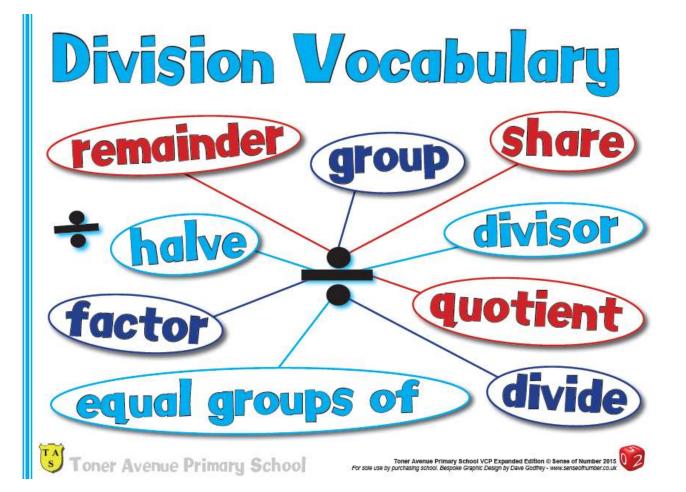


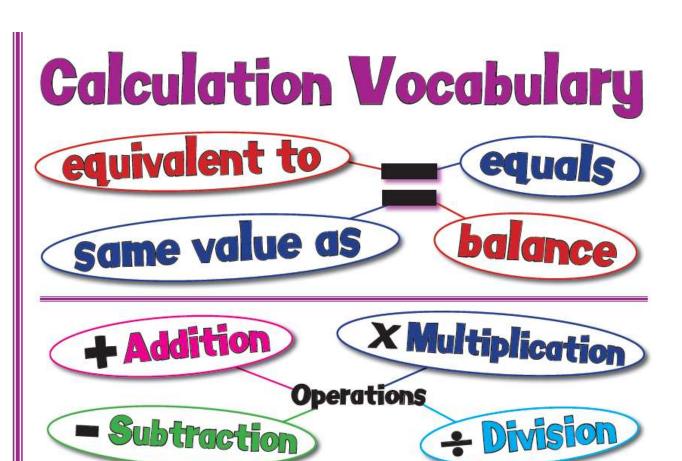






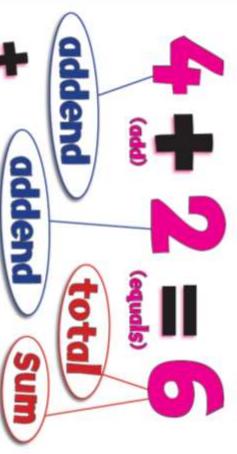
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Addition Calculation





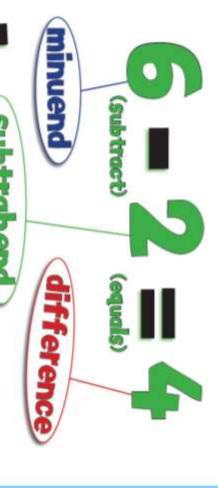




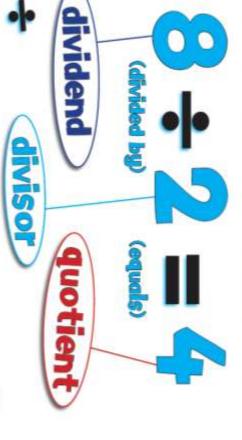
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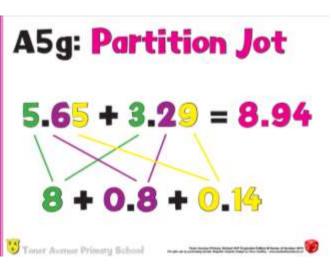


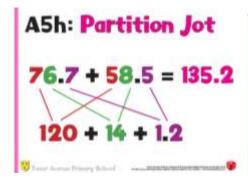


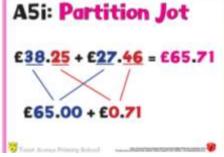
Counting

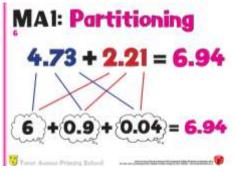
Year 5 and 6 - Counting and Equipment

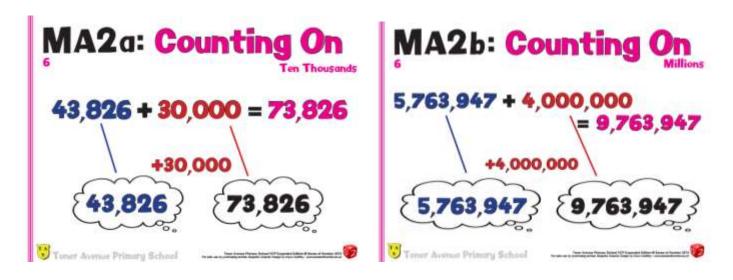








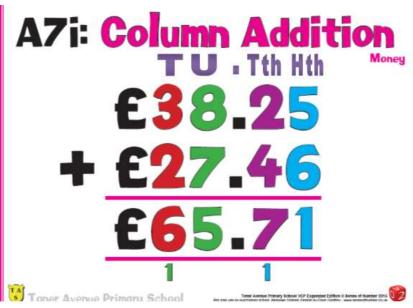


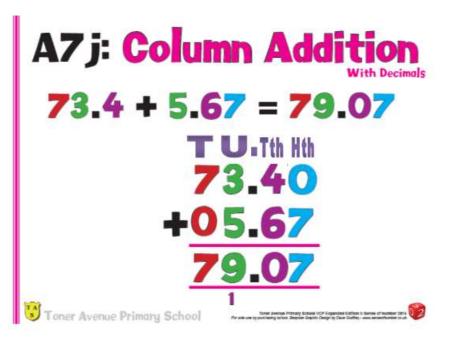




Addition







Subtraction

S11e: Column Subtraction

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S11g: Column Subtraction

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S11h: Column Subtract

12.4 - 5.97 = 6.43TU. Tth Hth

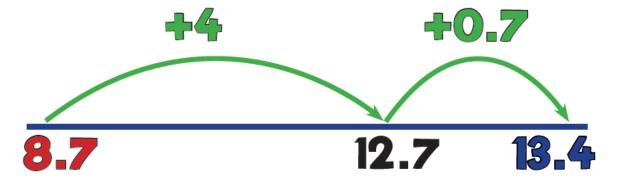
S8f: Decimal T-J!

$$13.4 - 8.7 = 4.7$$



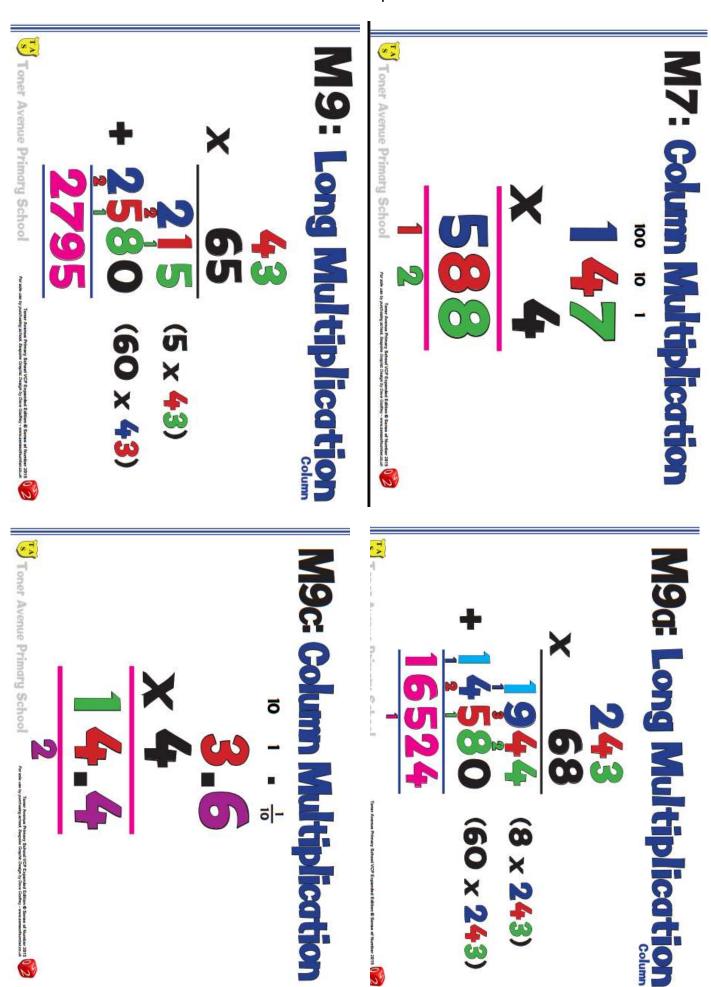


S9f: 1s Jump, Tenths Jump!



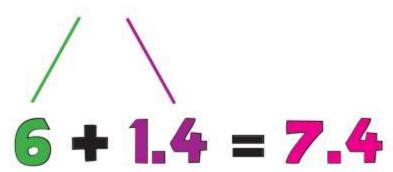
$$13.4 - 8.7 = 4.7$$

Multiplication



MM5g: Doubling

Double
$$3.7 = 7.4$$







MM1a: Jump!

x1000

x100

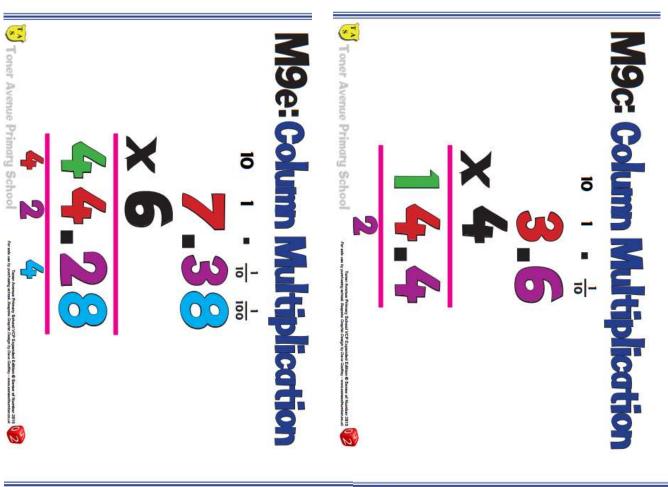
x10

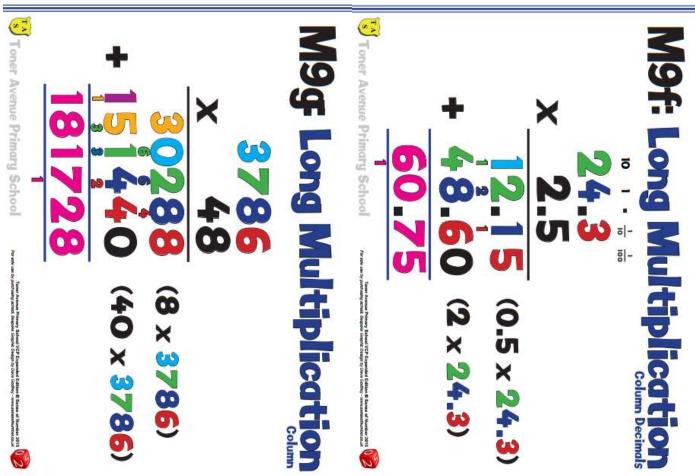
÷10

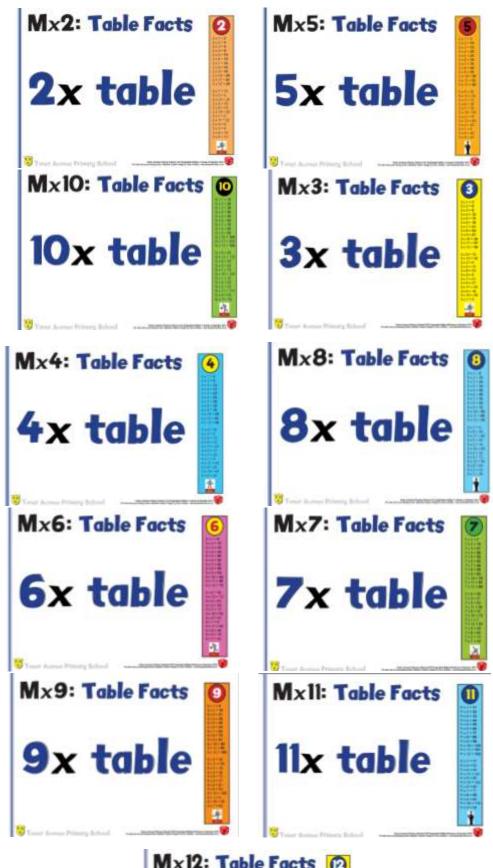
+100

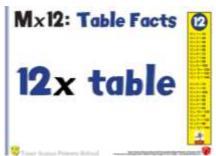












Division



D10e: Short Division 5978 + 7 = 854

854 7 5 9 7 8





D10f: Short Division

Different Remains

169.2 5 846.0

846 ÷ 5

169r1 5846 169 ½ 5 8 4 6



Trade (leaving Artisting Sidner (CH Equipment Efficie I) Server of Server (I Server III) (Artistic Server III)

D10i: Short Division

 $87.5 \div 7 = 12.5$

12.5 7 87.5

D12: Long Division **Short Division Method**

26r21 37 9824 37 983



