Visual Calculation Policy Sense of Number

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



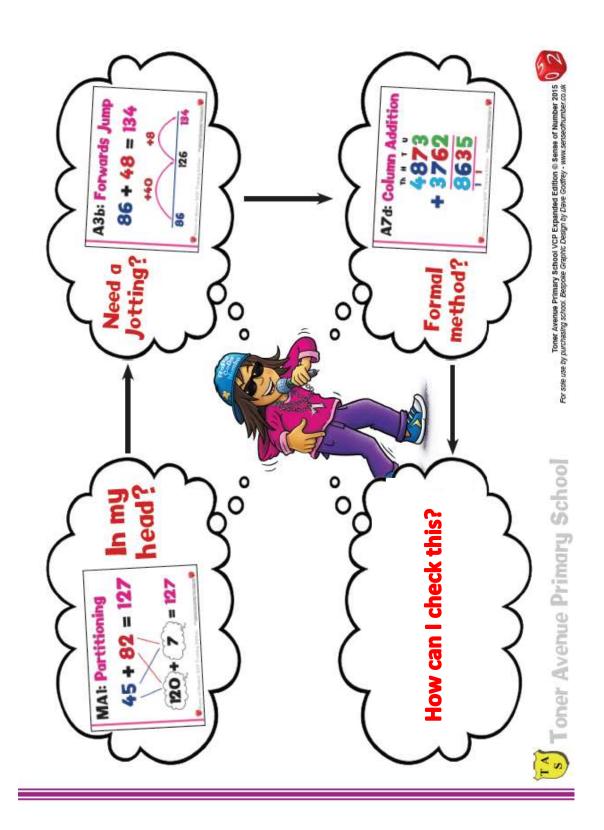
For sole use within Toner Avenue Primary School.

"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"

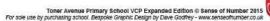




$$8 \div 2 = 4$$

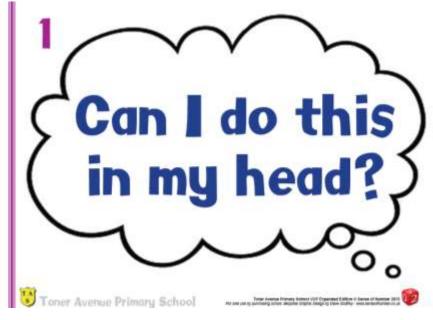
"8 divided by 2" means "How many groups of 2 are there in 8?" Answer: 4

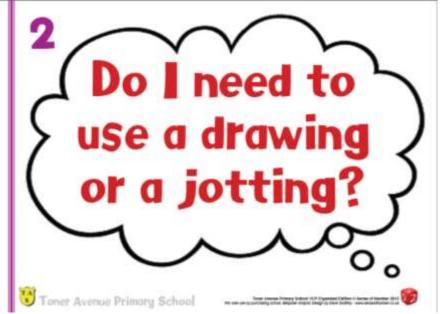
("8 shared into 2 sets is 4")



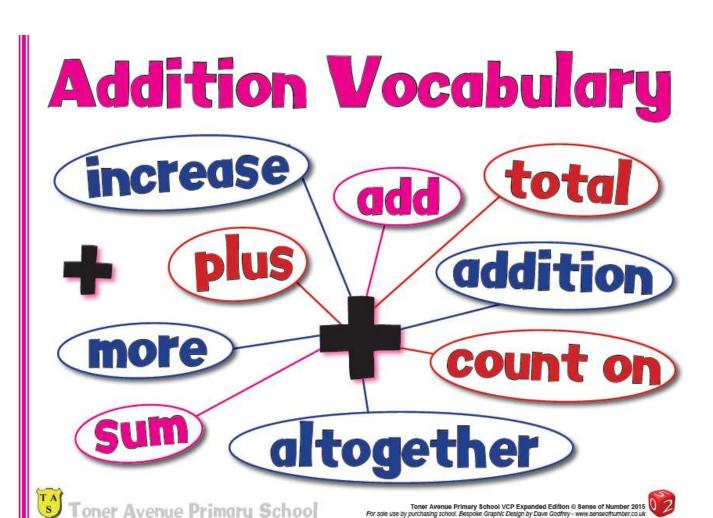


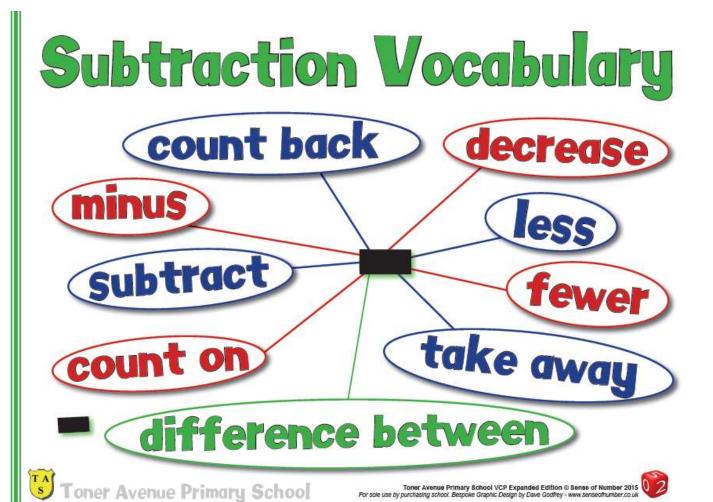
Before we answer questions, this is what we consider.

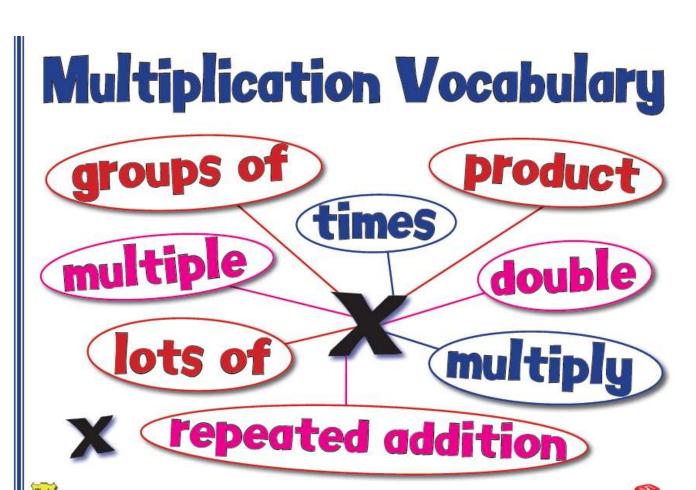


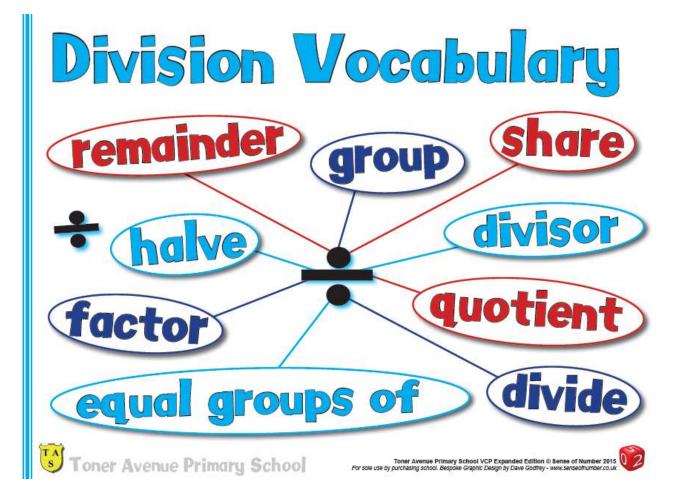


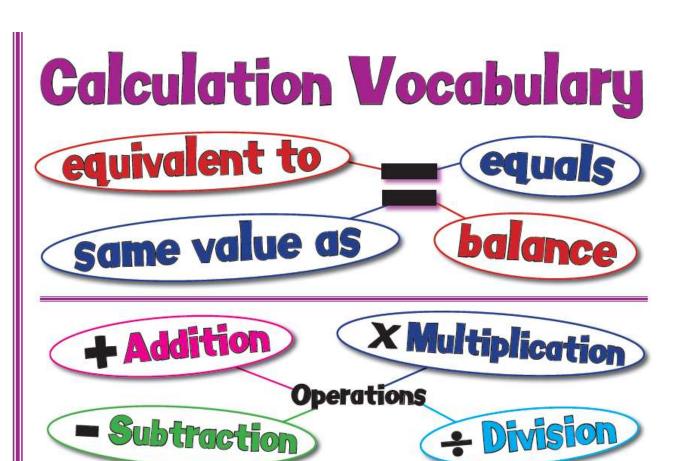




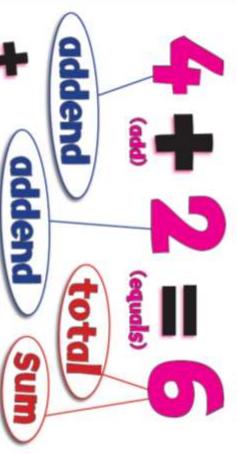








Addition Calculation



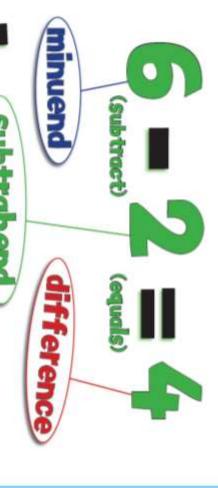




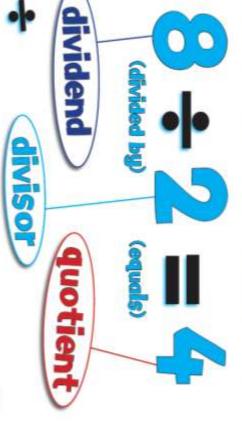








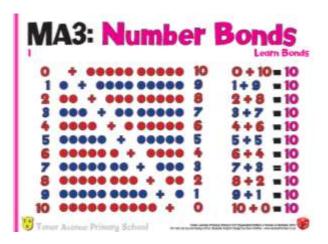


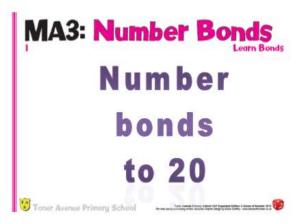


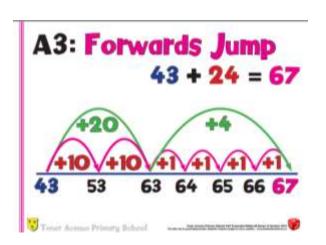


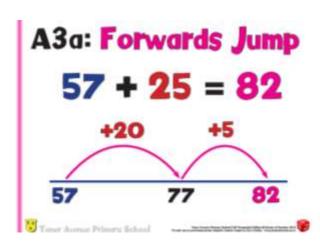
Counting

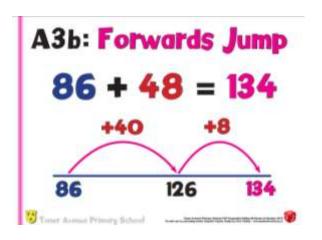
Year 2 - Counting and Equipment

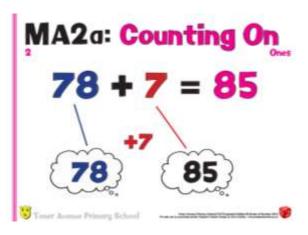


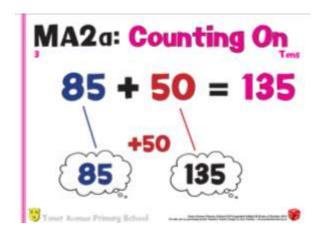


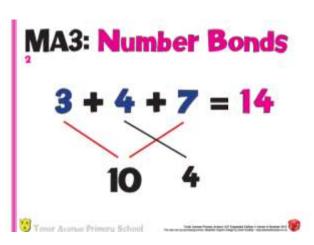




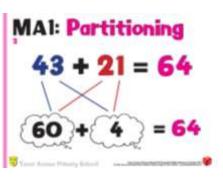


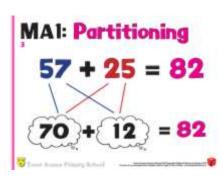




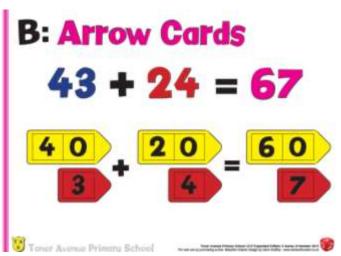


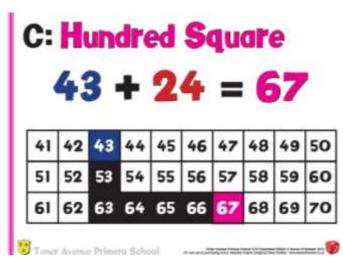
Year 2 - Counting and Equipment

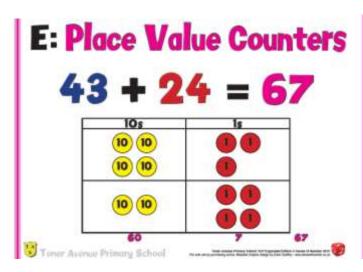


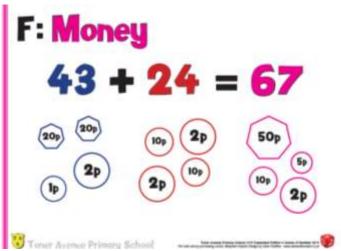


Year 2 - Counting and Equipment

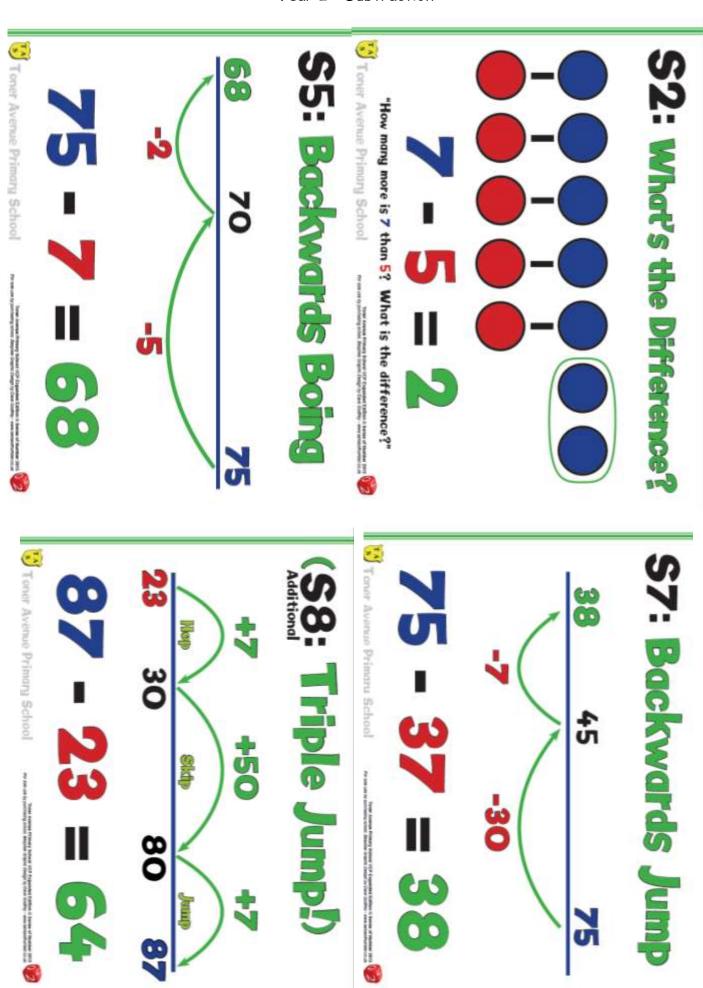


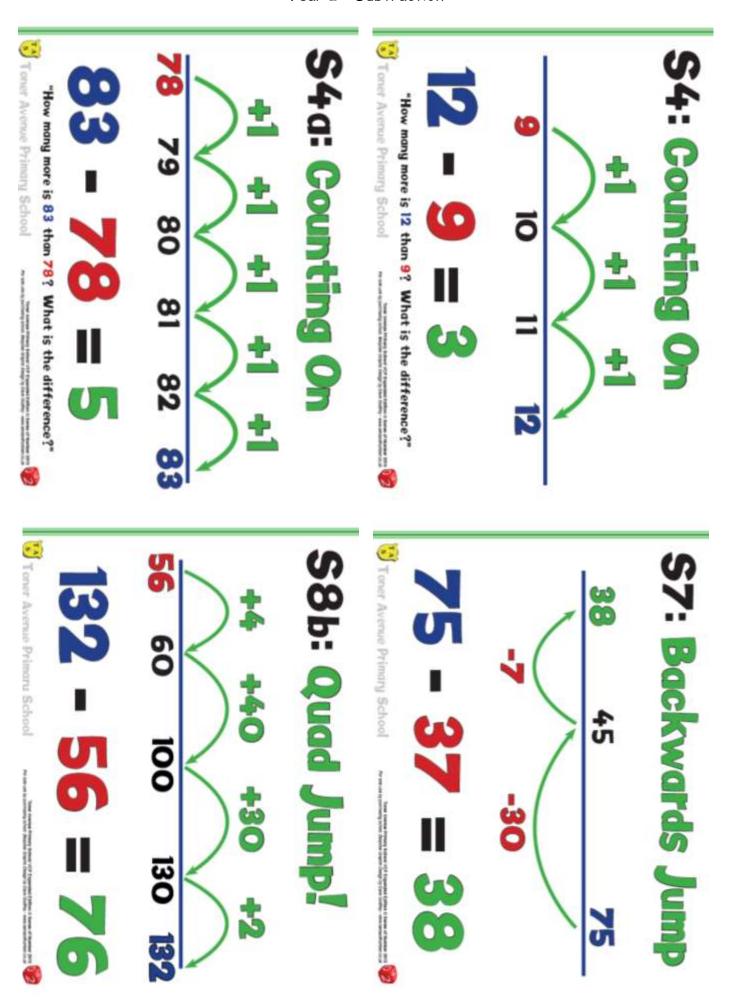






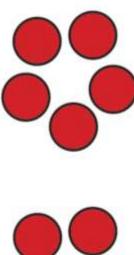
Subtraction

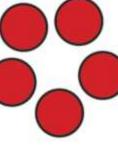




Multiplication



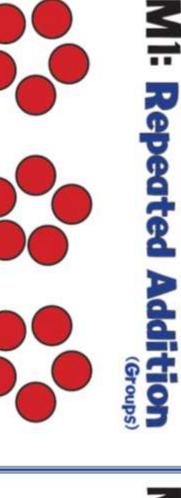








"2 groups of 5 counters makes 10 counters altogether"



Toner Avenue Primary School

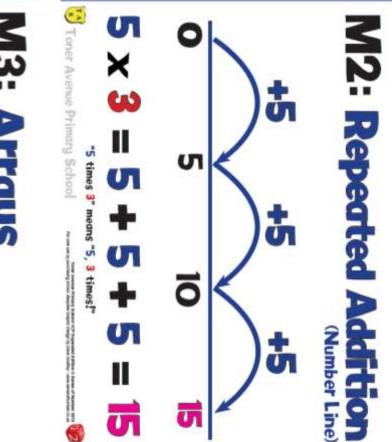
"5 multiplied by 3" means "5, 3 times", which gives "3 lots of 5"!

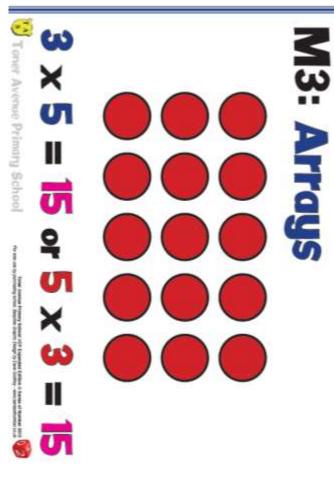
and construction cases - Impact and the change parkins and they cause functional in our and as

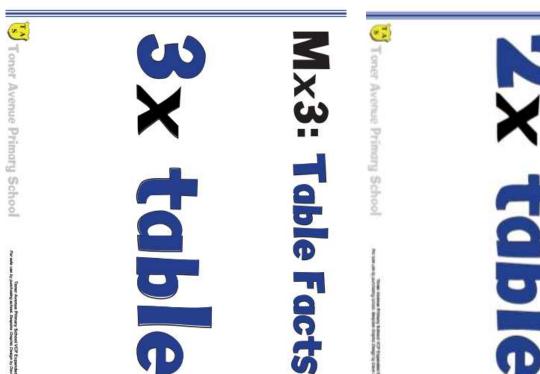
U

II

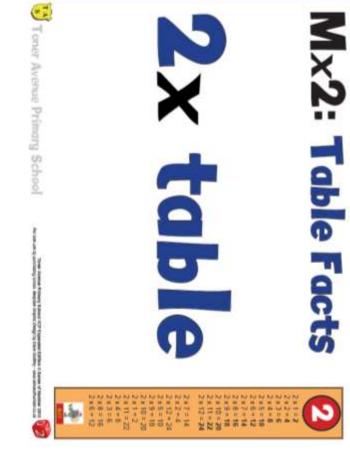
5+5+5=15

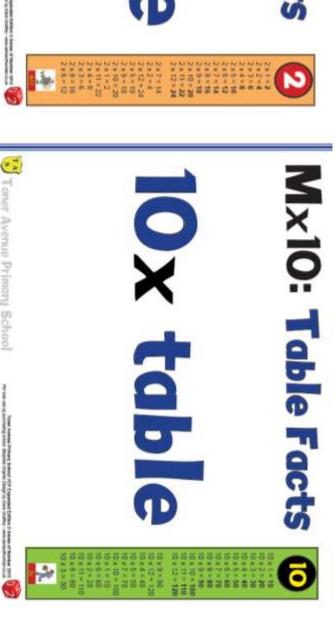






Mx5: Table Facts







Division

D2: Grouping (Concept)







"How many groups of 2 can I make out of 6? Answer: 3



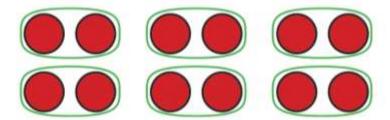




D4: Division as Grouping

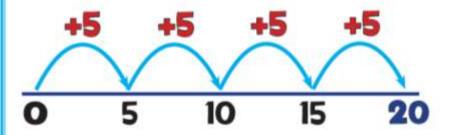
$$12 \div 2 = 6$$

"How many groups of 2 can I fit into 12?"





D5: Grouping on a Number Line



$$20 \div 5 = 4$$

"How many 5s in 20?" Answer: 4

