### Sense of Number **Visual Calculation Policy Basic Edition for** Stanley Road Community Primary School **October 2014** Graphic Design by Dave Godfrey Compiled by the Sense of Number Maths Team For sole use within Stanley Road Community Primary School. 'A picture is worth 1000 words!' www.senseofnumber.co.uk

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# Poster Guide Visual Calculation Policy

Code	Section	Basic Edition (99 Slides)		Expanded Edition (316 Slides)	
		How many posters?	Slide Numbers	How many posters?	Slide Numbers
	Introduction Slides	3 0	1-3	3	1-3
KS	KS: Key Concepts	7	4-10	7	4-10
	Vocabulary Slides	8 9 9 m x	11-19	9	11-19
С	Counting Policy	0	-	13	21-33
Α	Addition	Z	20-26	40	34-73
MA	Mental Addtion	5	27-31	40	74-113
S	Subtraction	1	/32-42/	33	114-146
MS	Mental Subtraction	1	<u> </u>	4 MITY PRI	147-150
Μ	Multiplication	9	43-51	32	151-182
MM	Mental Multiplication	LN	52	30	183-212
D	Division	115 14	53-66	41	213-253
Y Church	Calculation Cards	-	-	9	254-262
	Multiplication Tables	-	-	11 UDREN	<b>263-273</b>
	Expanded Edition Progression (Year groups for New Curriculum)	13	67-79	19	274-291
	Alternative layouts (Column and Subtraction on a Number Line)	11	80-90	29	292-321



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### **Guide to using a** Visual Calculation Policy

The Sense of Number Visual Calculation Policy provides an visual representation of a school's written and mental calculation policy.

#### Typical uses:

Classoom: The slides are printed out (e.g. A4) and the appropriate slides are displayed within each classroom for continual reference or on a working wall.

Teacher Reference: The slides are printed out (e.g. 9 slides per A4 page) and inserted in the teacher's planning folder. Parents: The slides are used to communicate to parents the methods being taught and used within school. Website: Slides from the VCP are inserted on a schools' maths webpages.

(Please note: the VCP should not be made available for download)



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# KC1: Key Concepts! Addition Subtraction

### "What is 8 add 2?" Answer: 10

8 + 2 = 1

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

8 – 2 =



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## KC2: Key Concepts! Multiplication Division

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

 $8 \times 2 = 16$ 

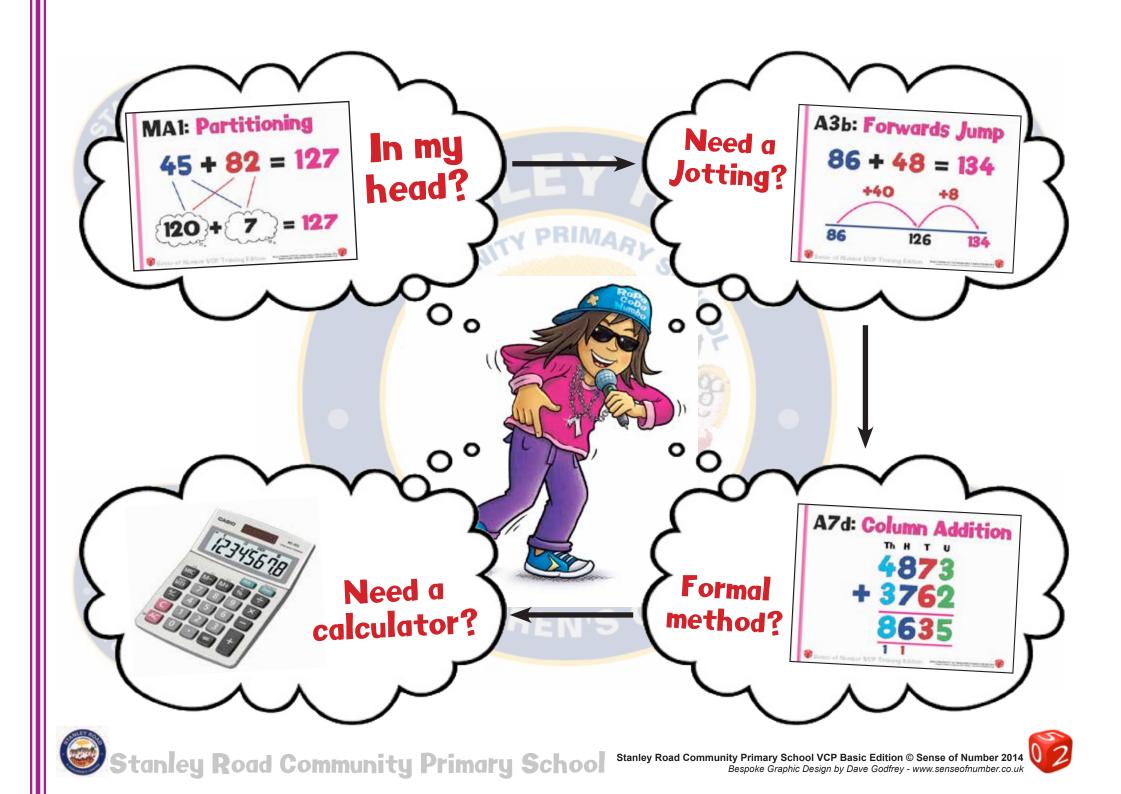
"8 divided by 2" means "How many groups of 2 are there in 8?" Answer: 4

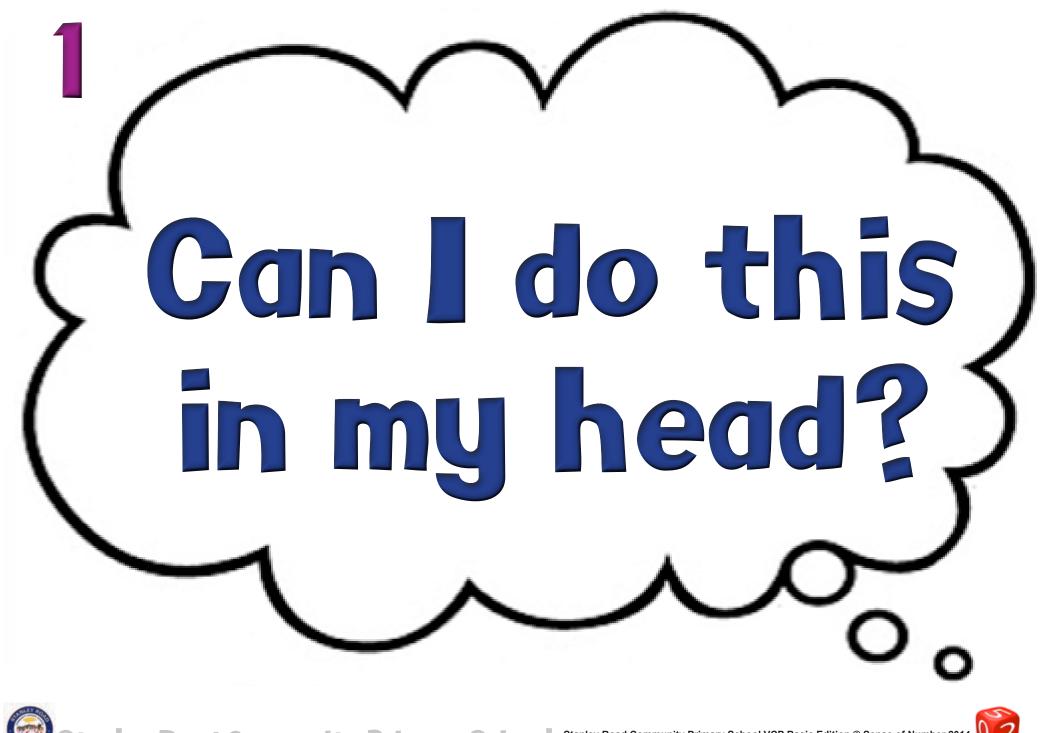
÷ 2 =

("8 shared into 2 sets is 4")



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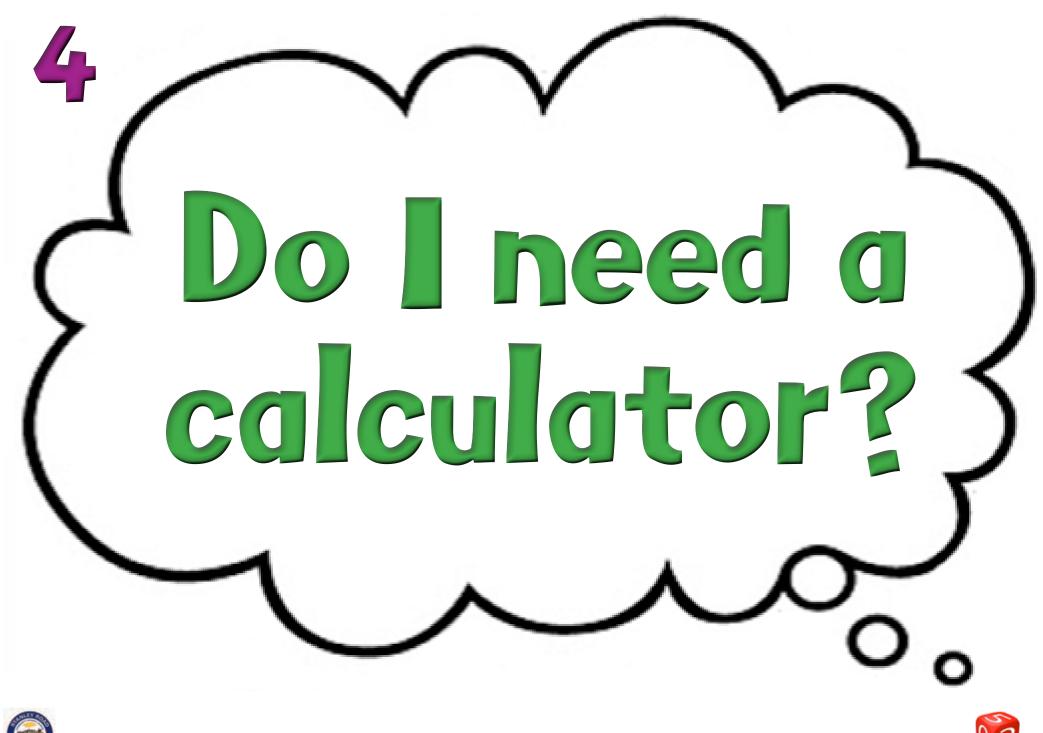


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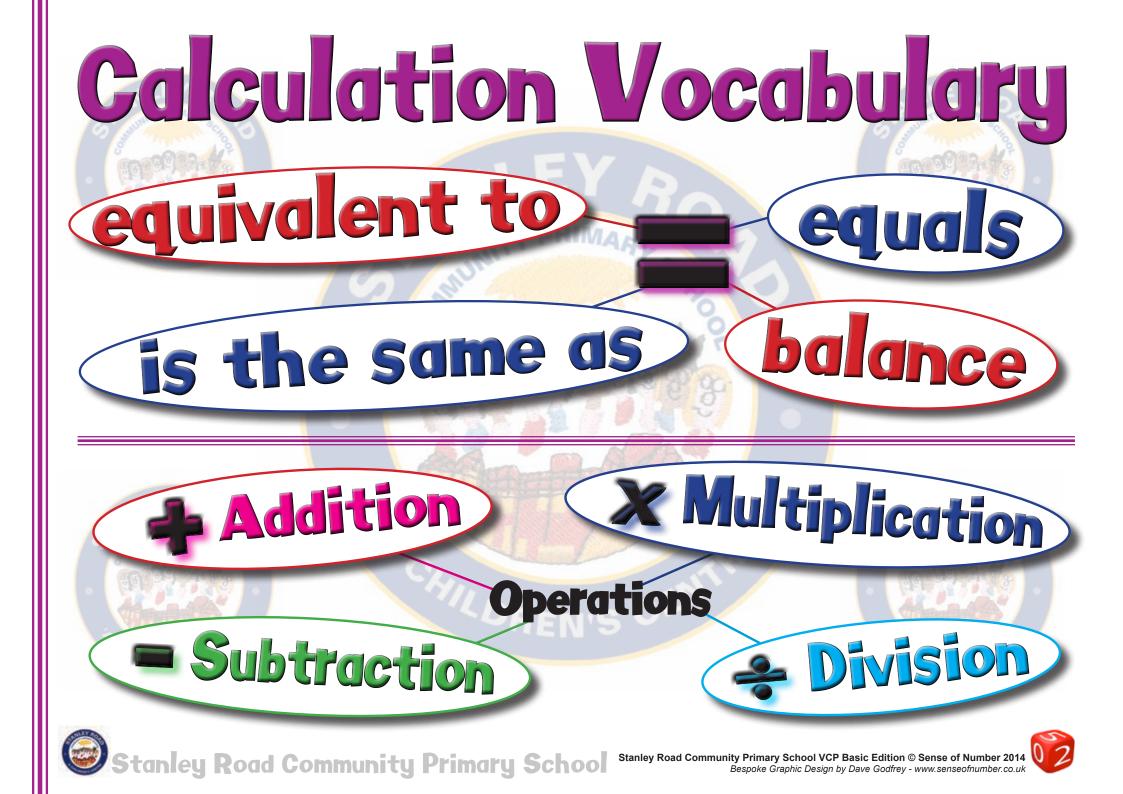
# Do I need an expanded or a **standard method?**) tanley Road Community Primary School

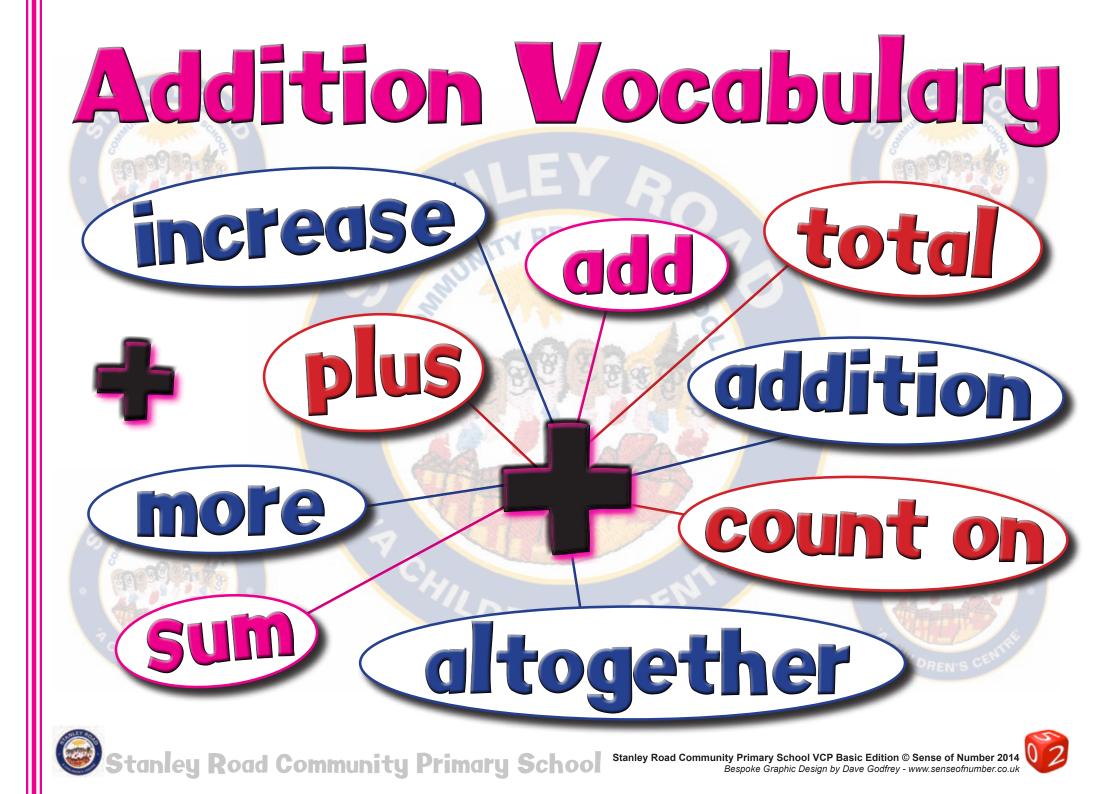
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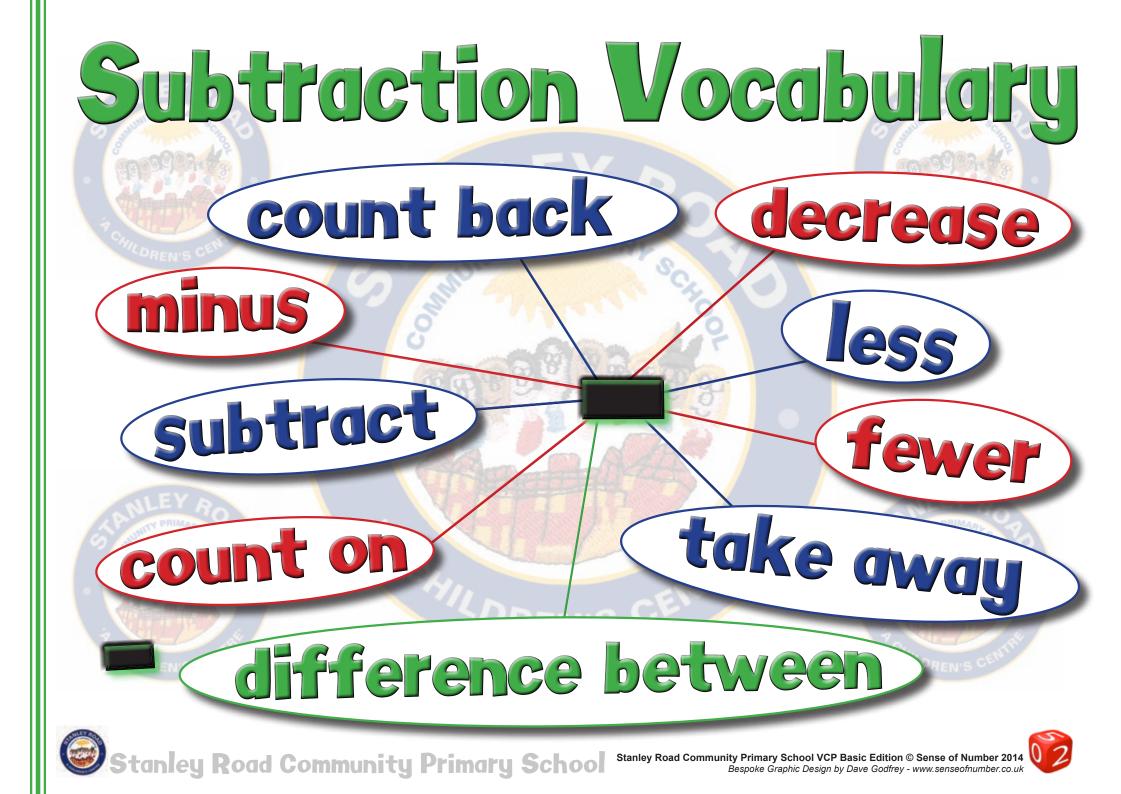
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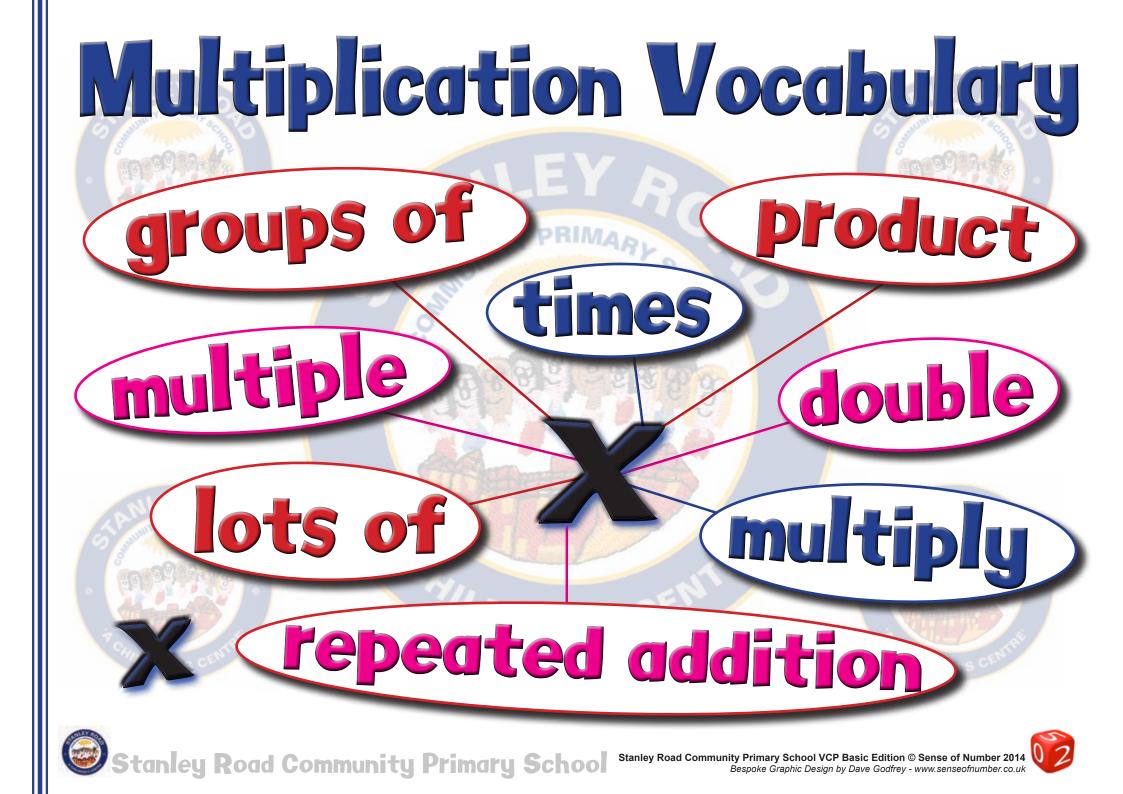


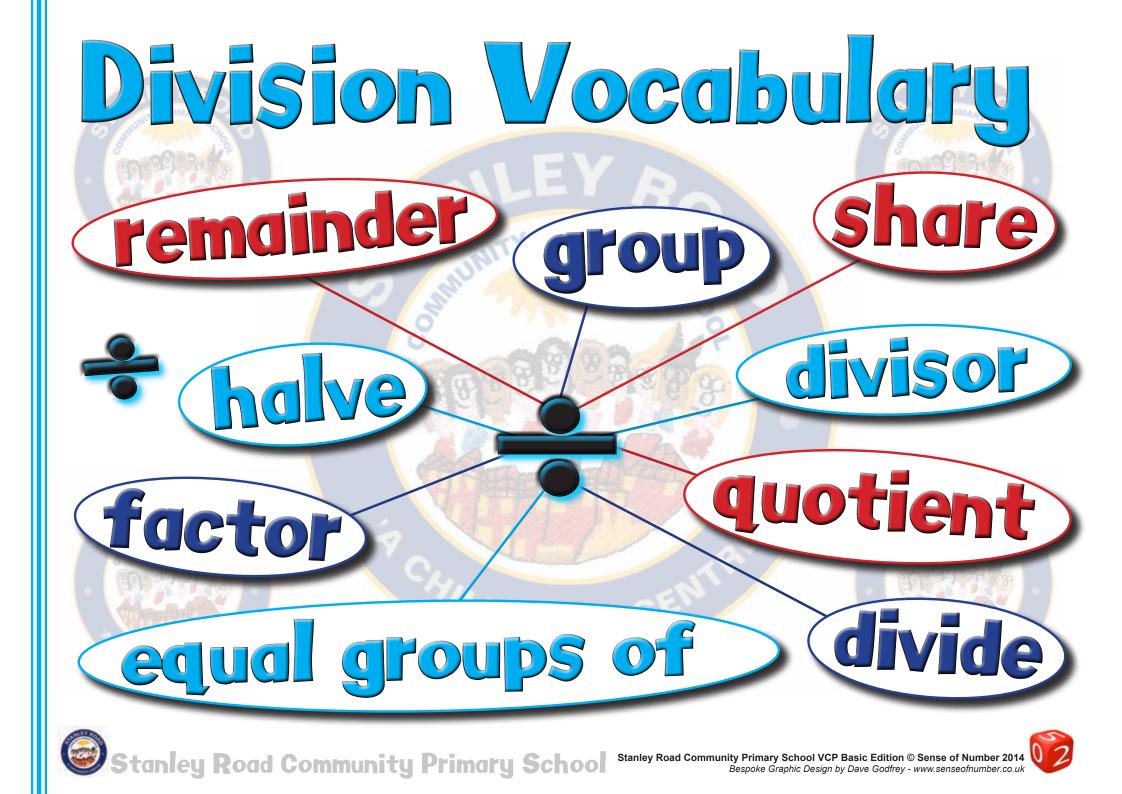


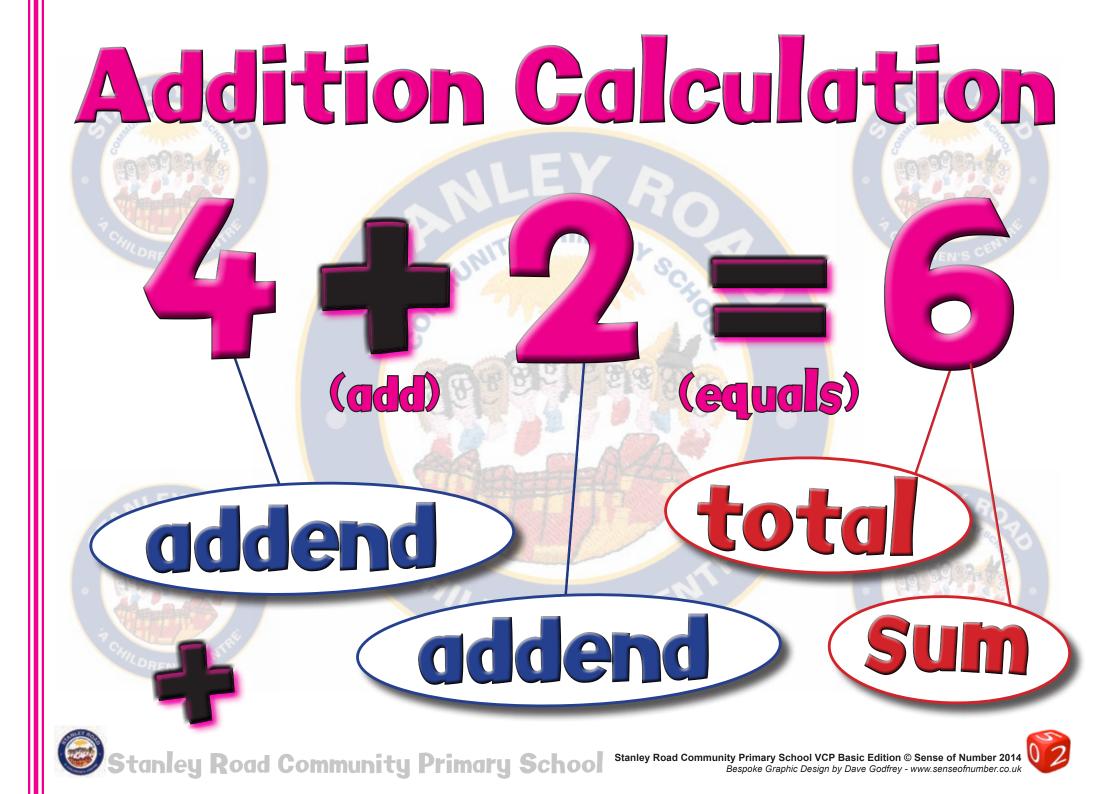


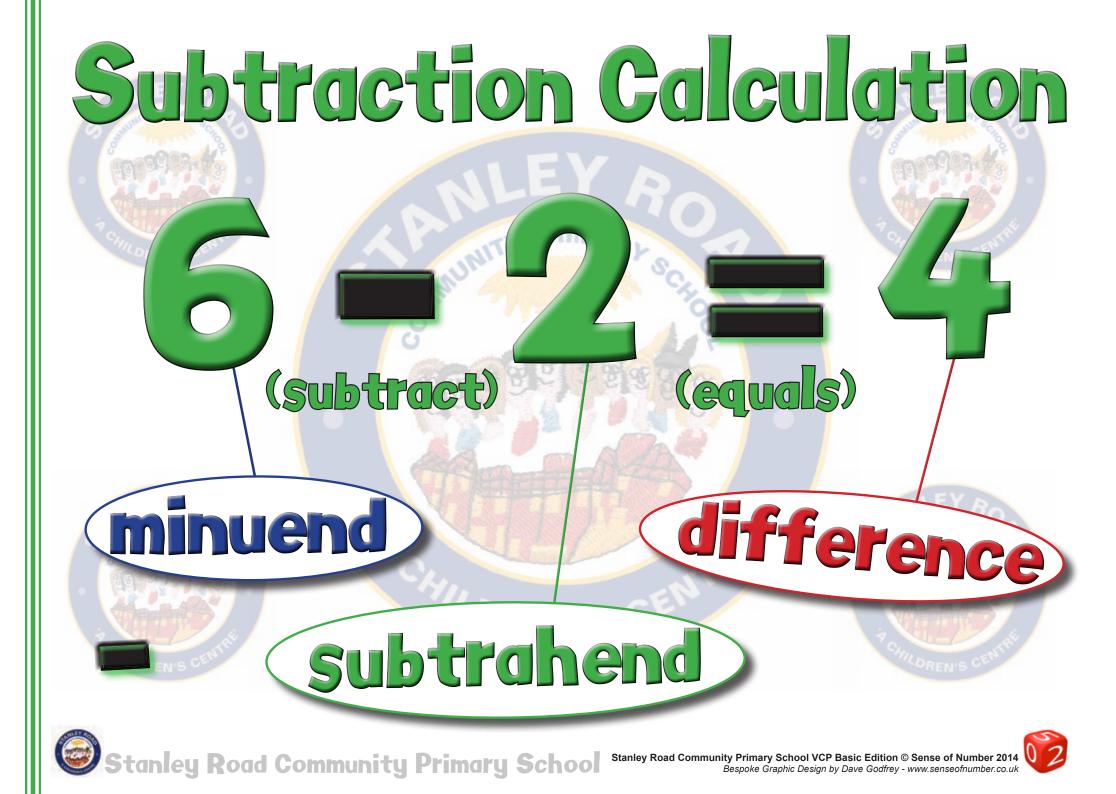












## Multiplication Calculation

### (multiplied by) (equals)

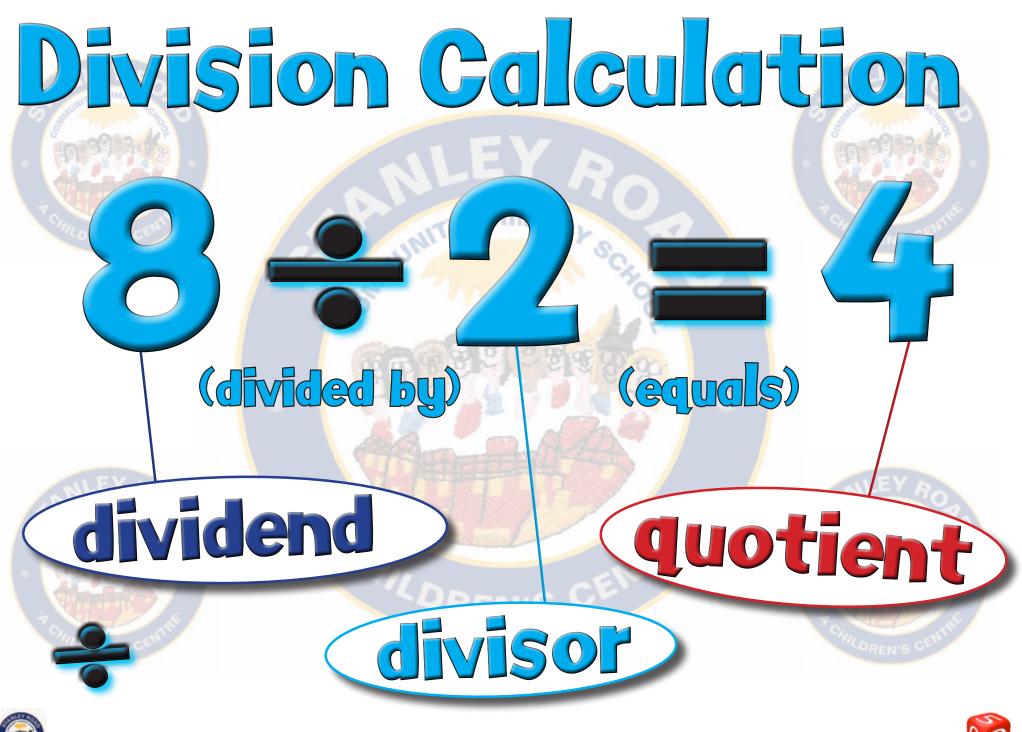
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multiplier



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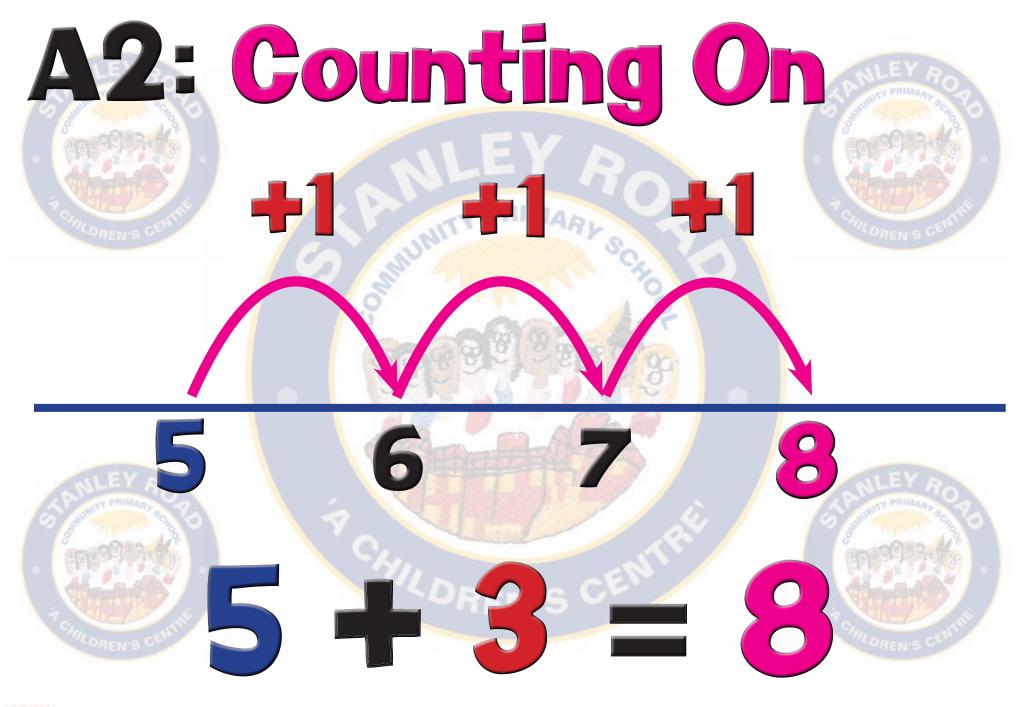


#### "If I have 3 and then 5 more, how many altogether? Answer: 8"



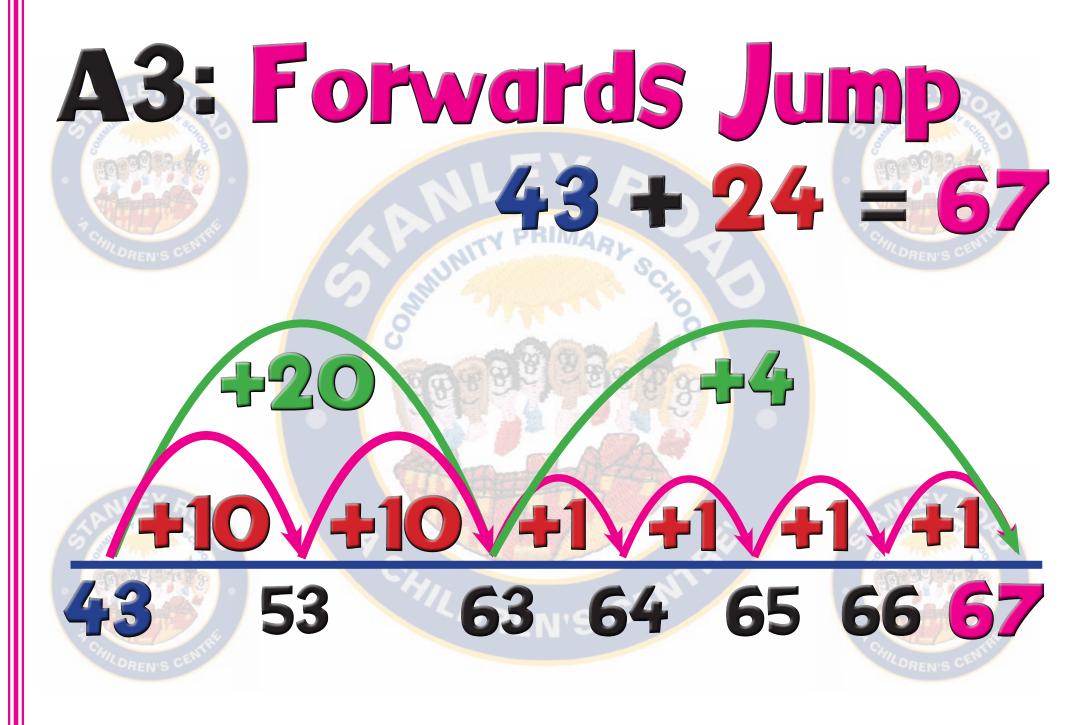
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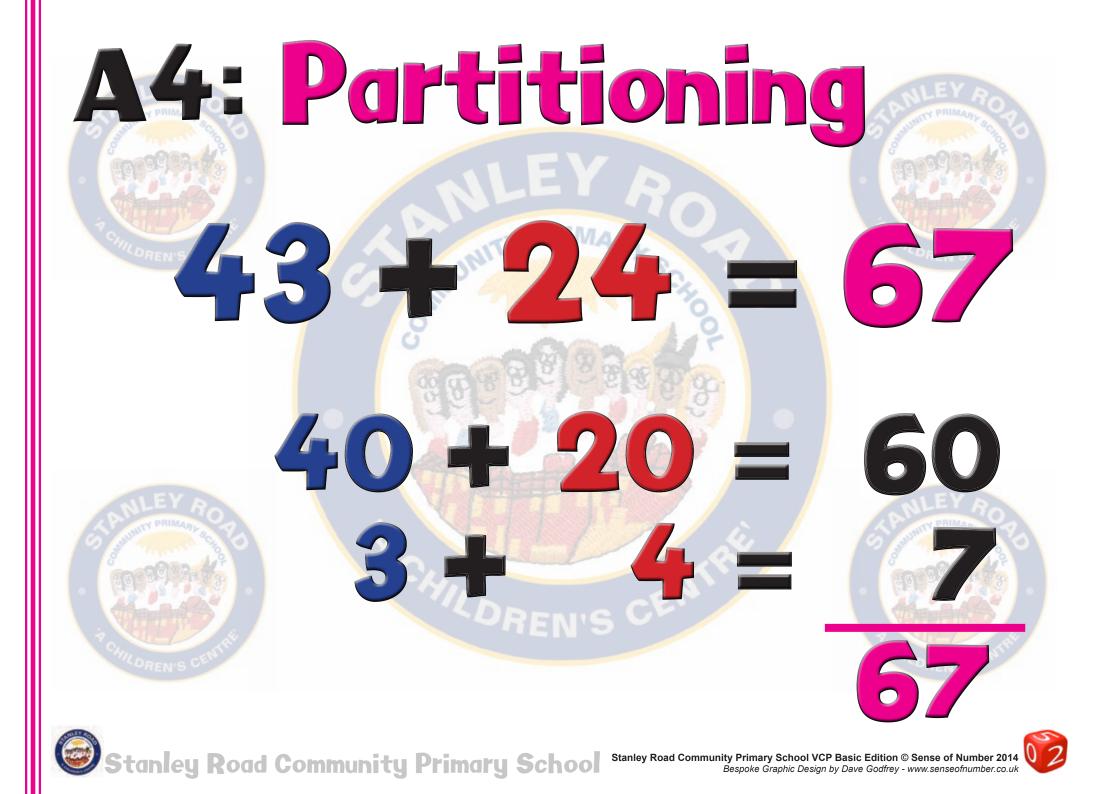


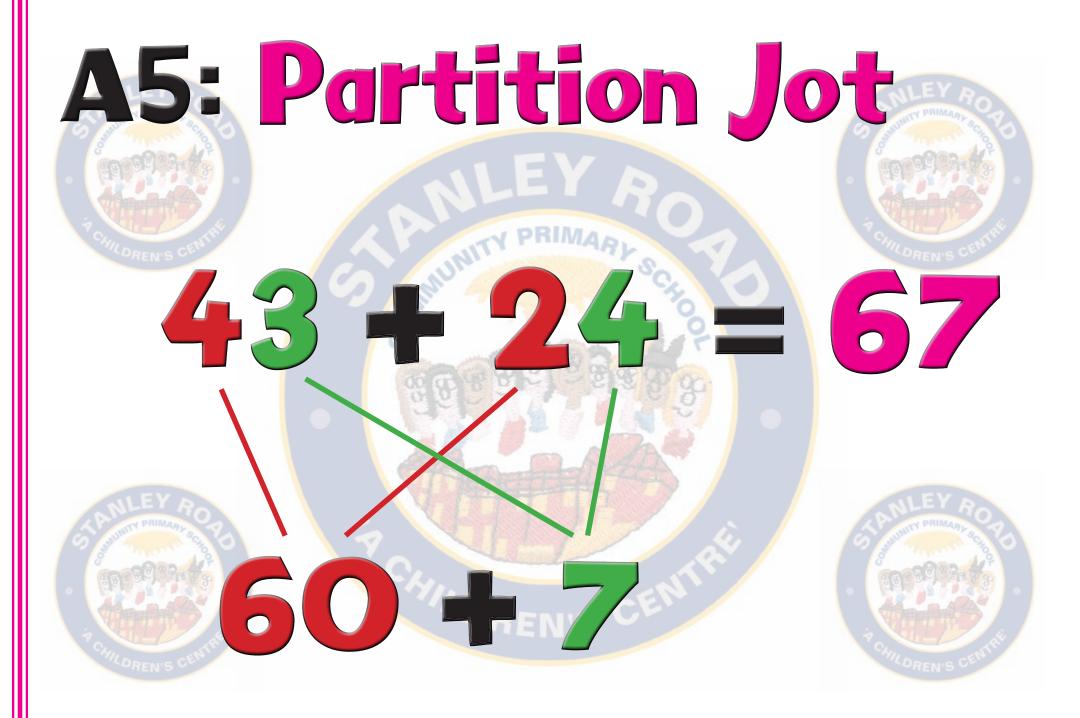
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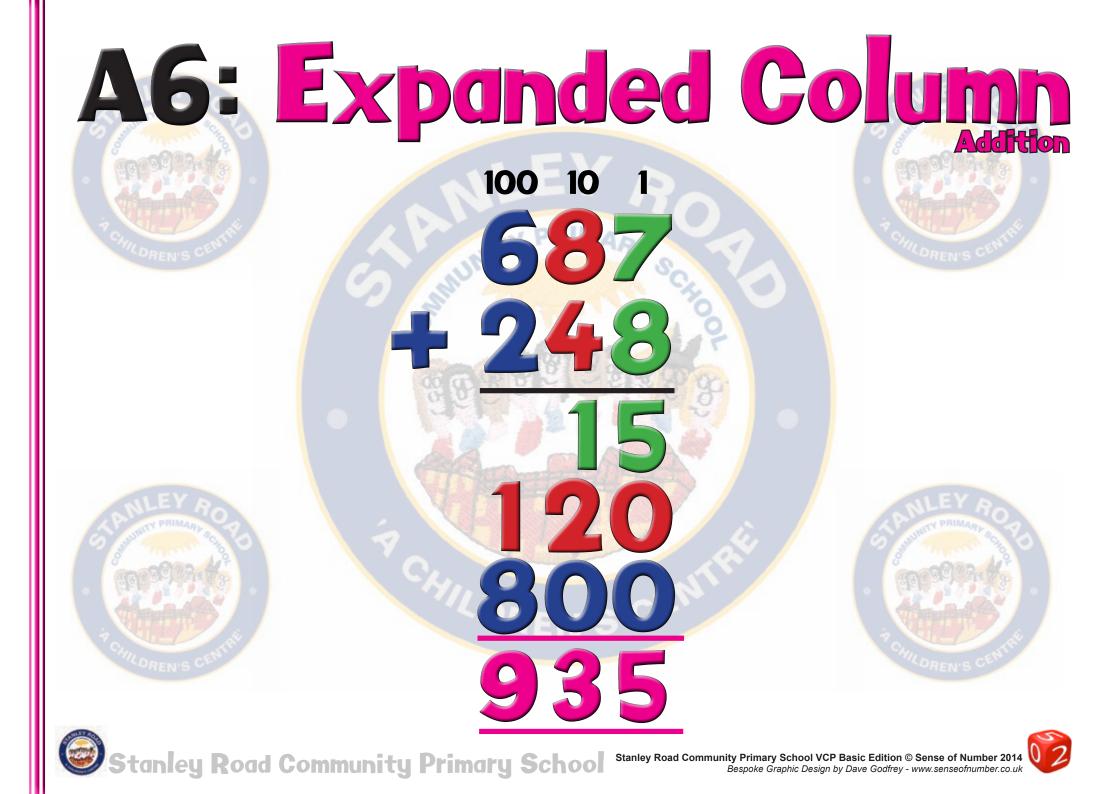


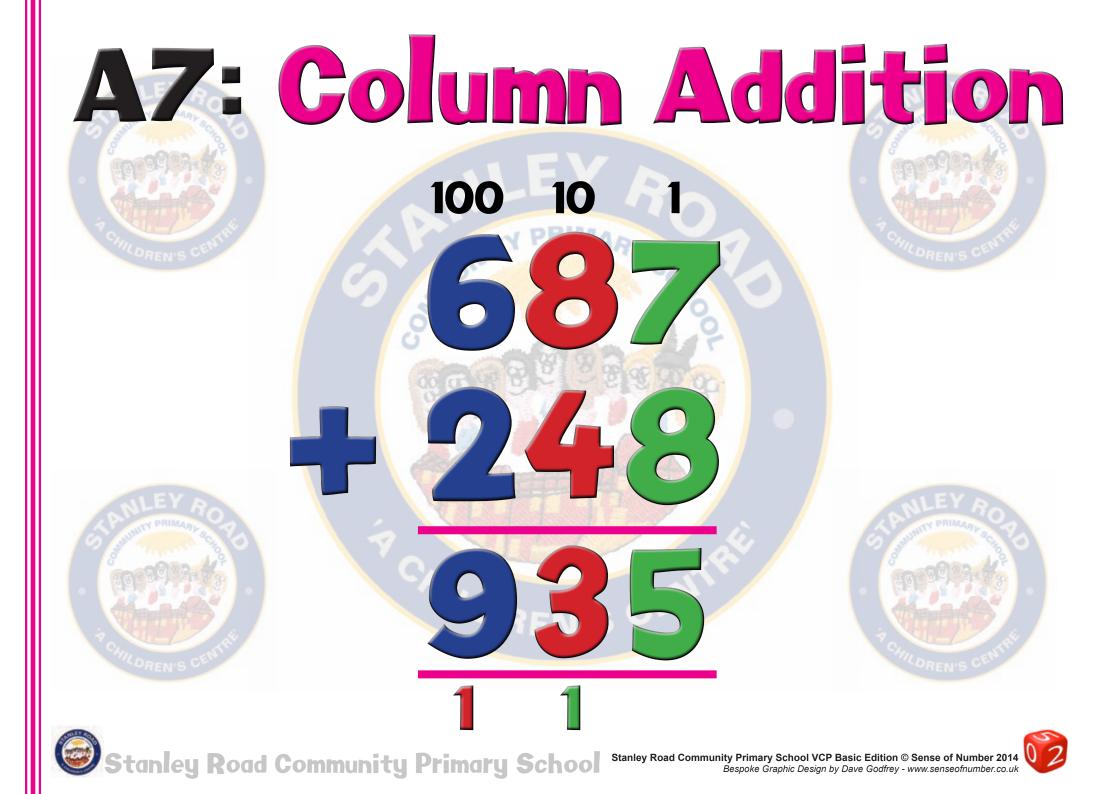


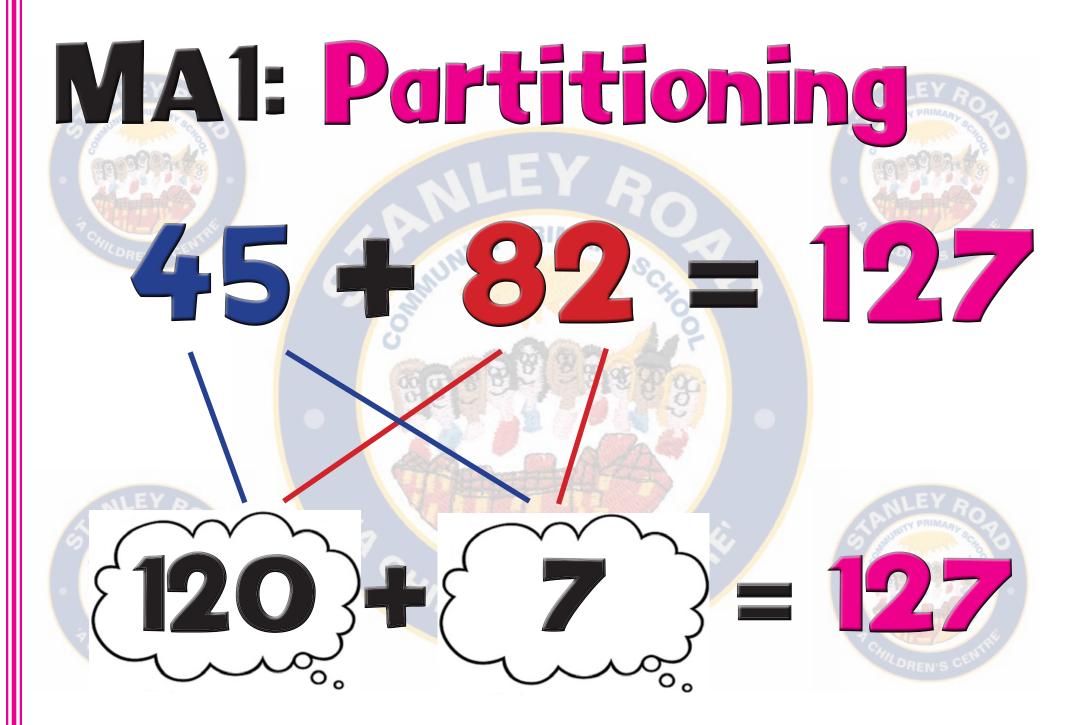




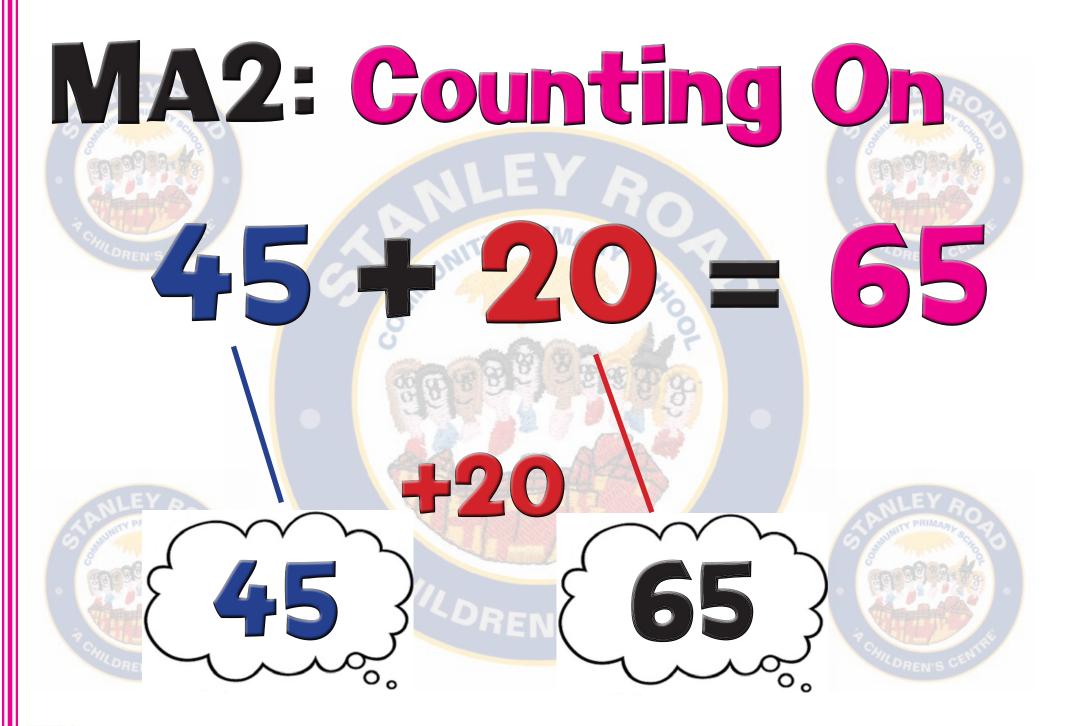




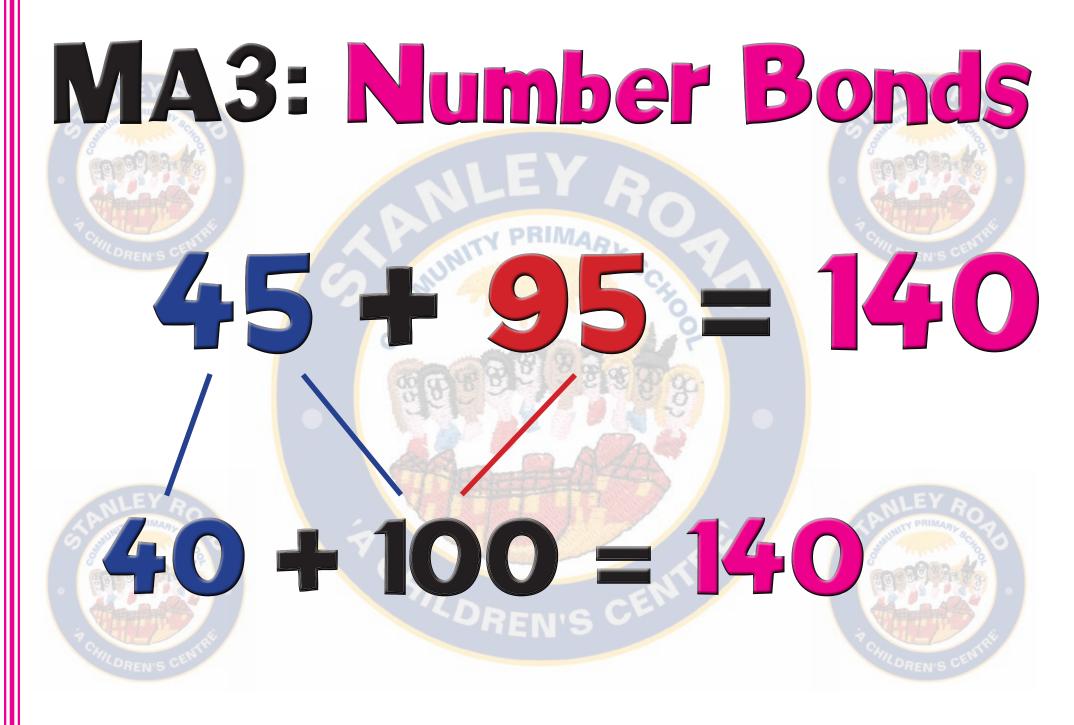




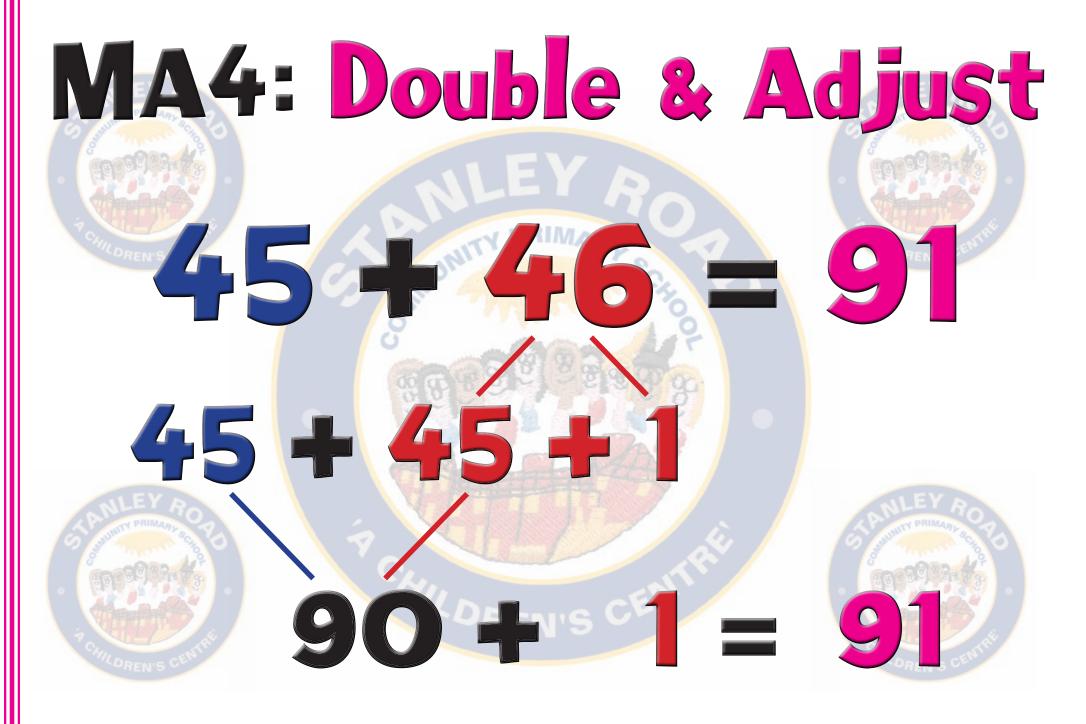




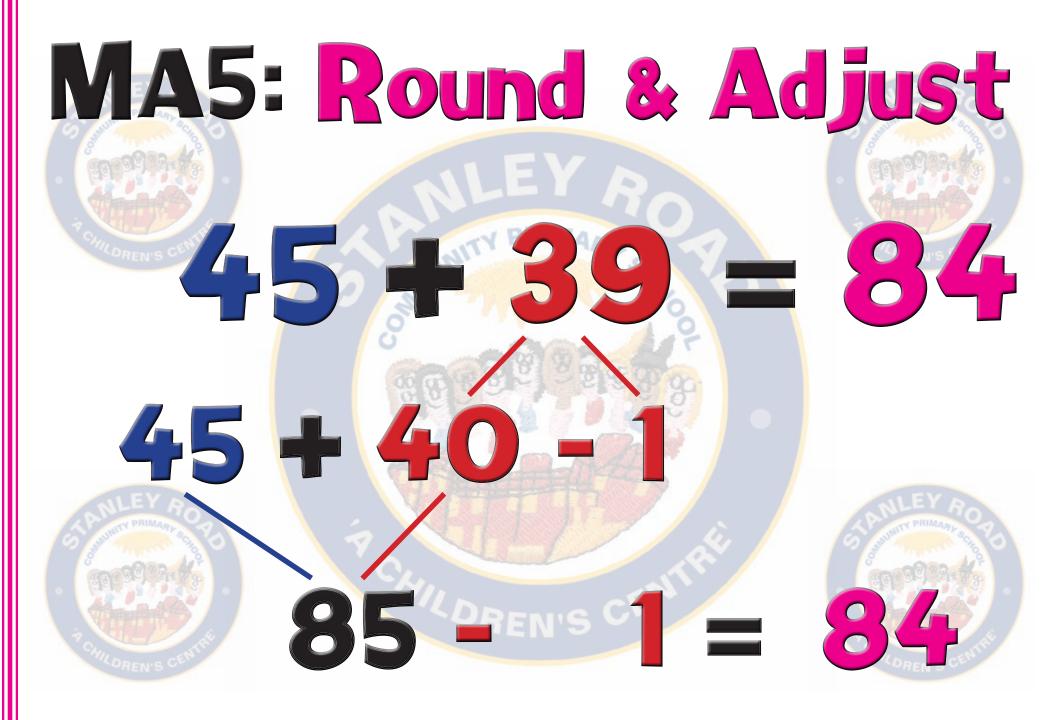














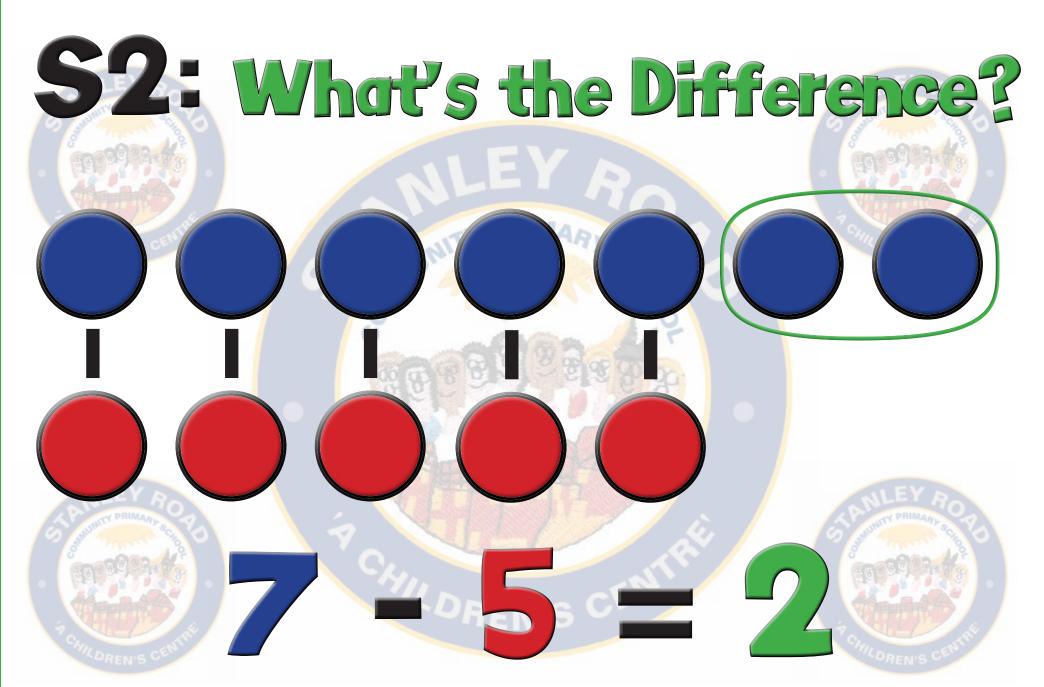


#### "What do | get if | take 3 away from 7? Answer: 4"



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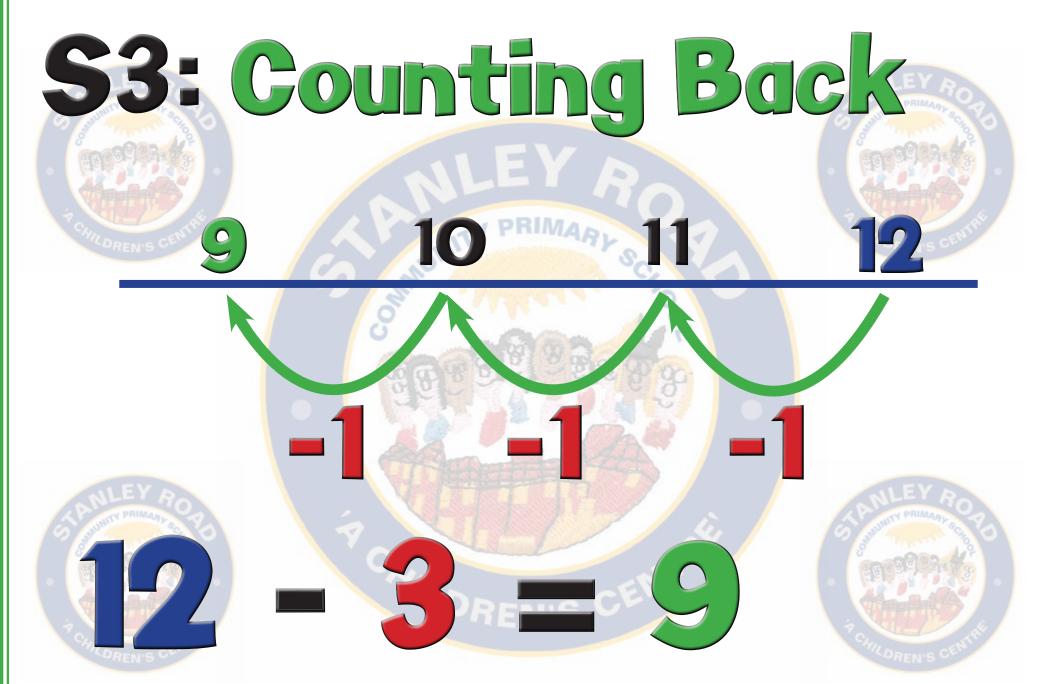


### "How many more is 7 than 5? What is the difference?"





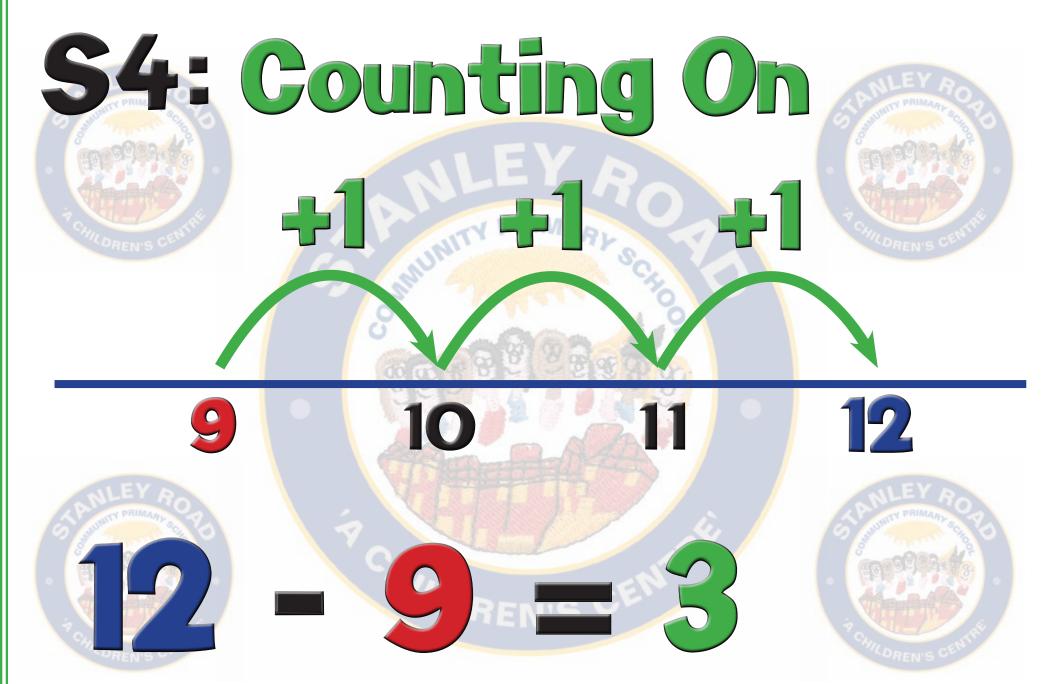




#### "What do | get if | take 3 away from 12? Answer: 9"



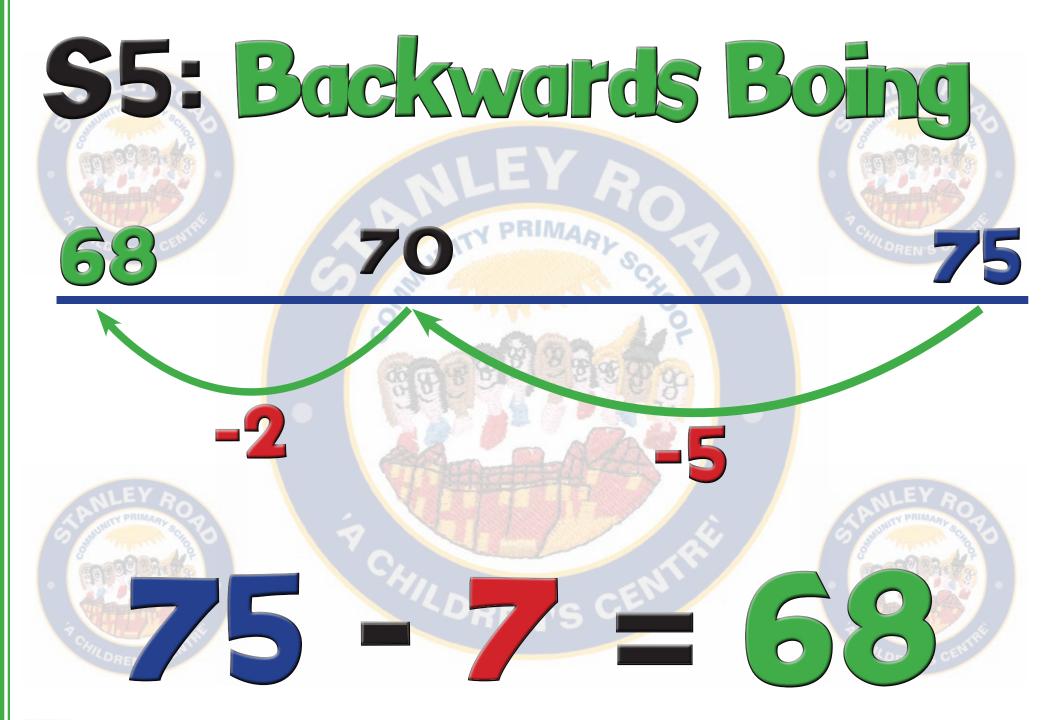
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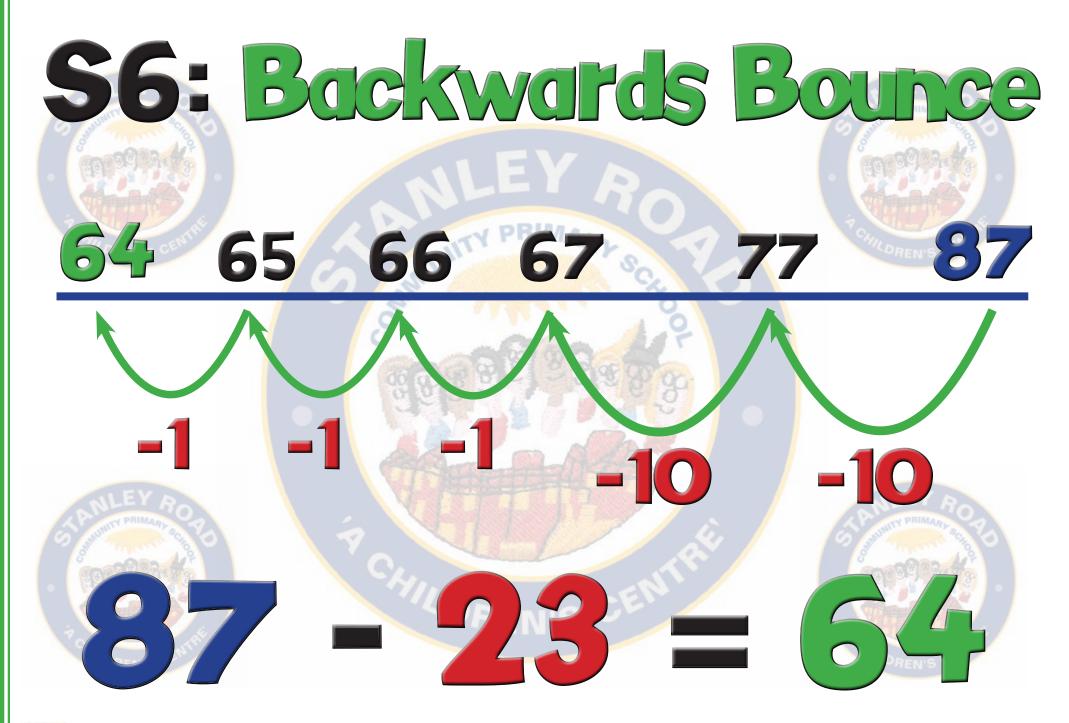
#### "How many more is 12 than 9? What is the difference?"



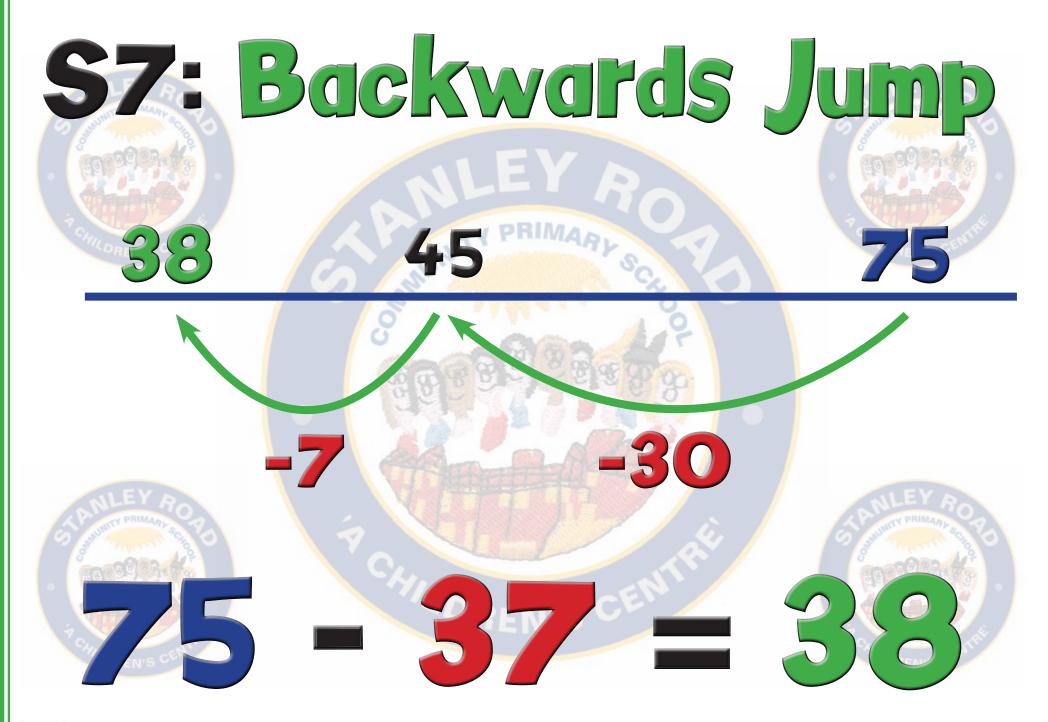
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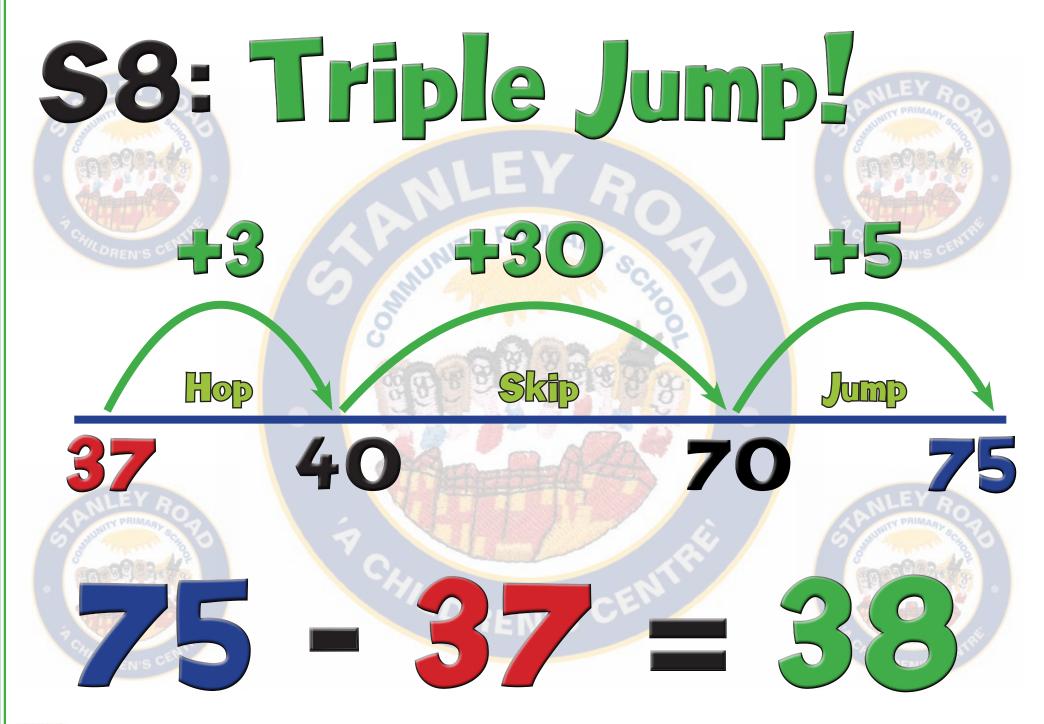




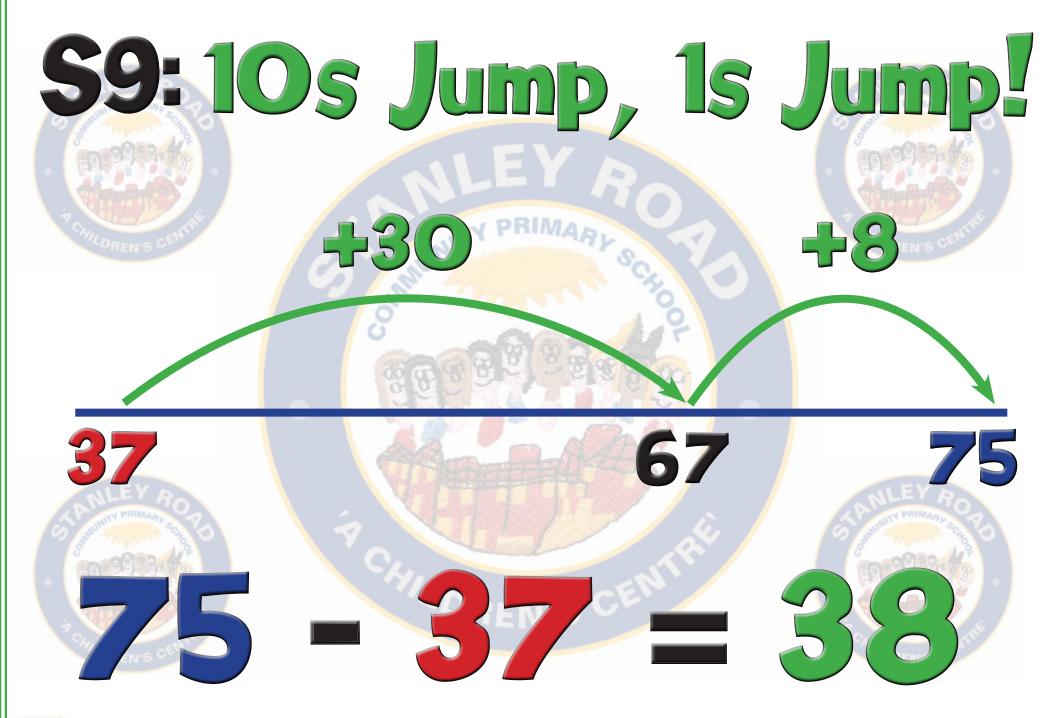




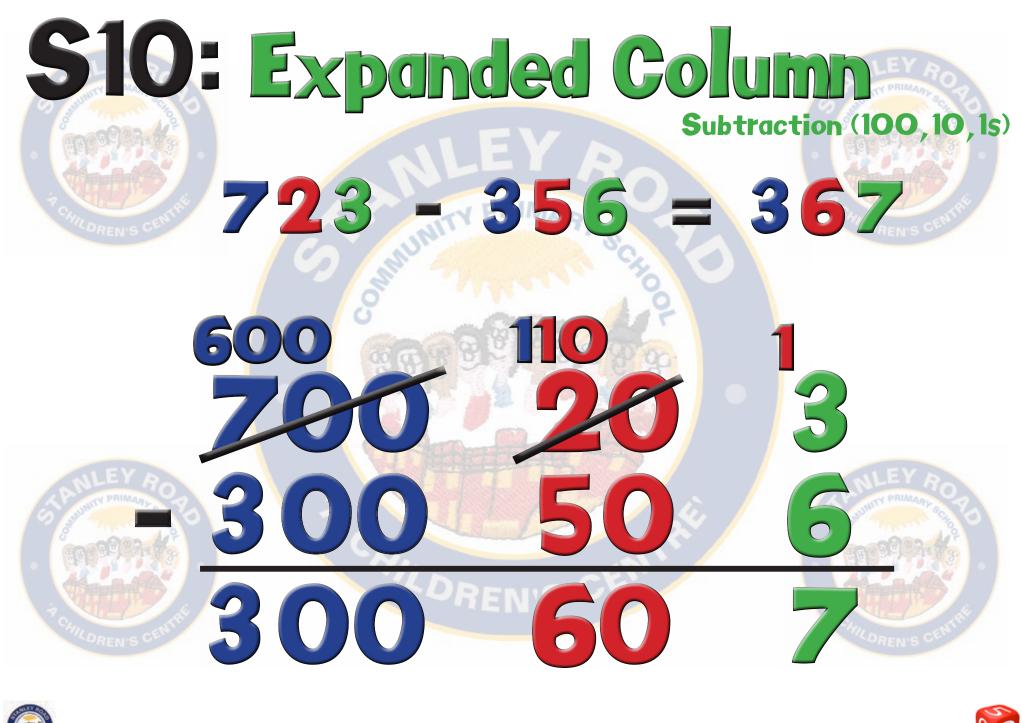


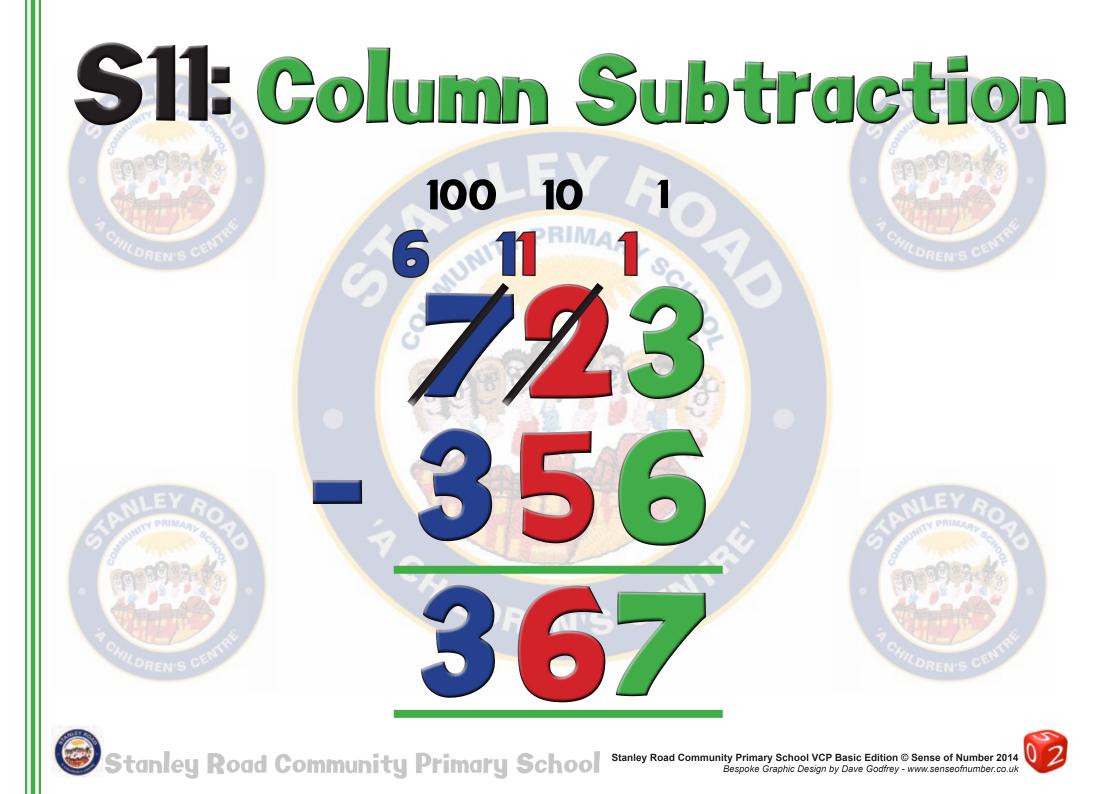


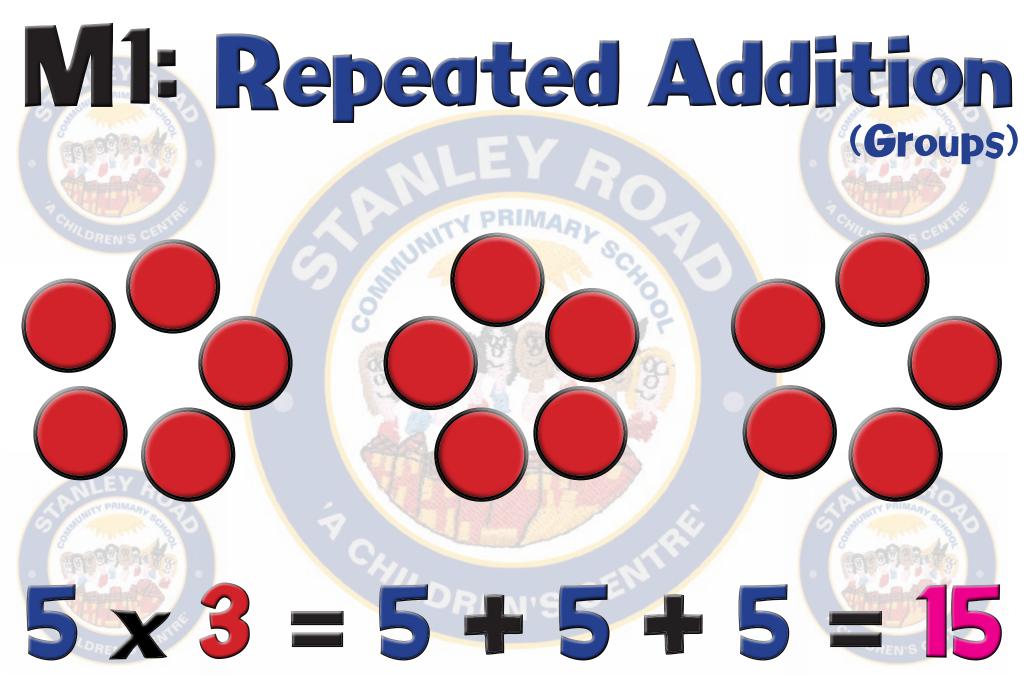








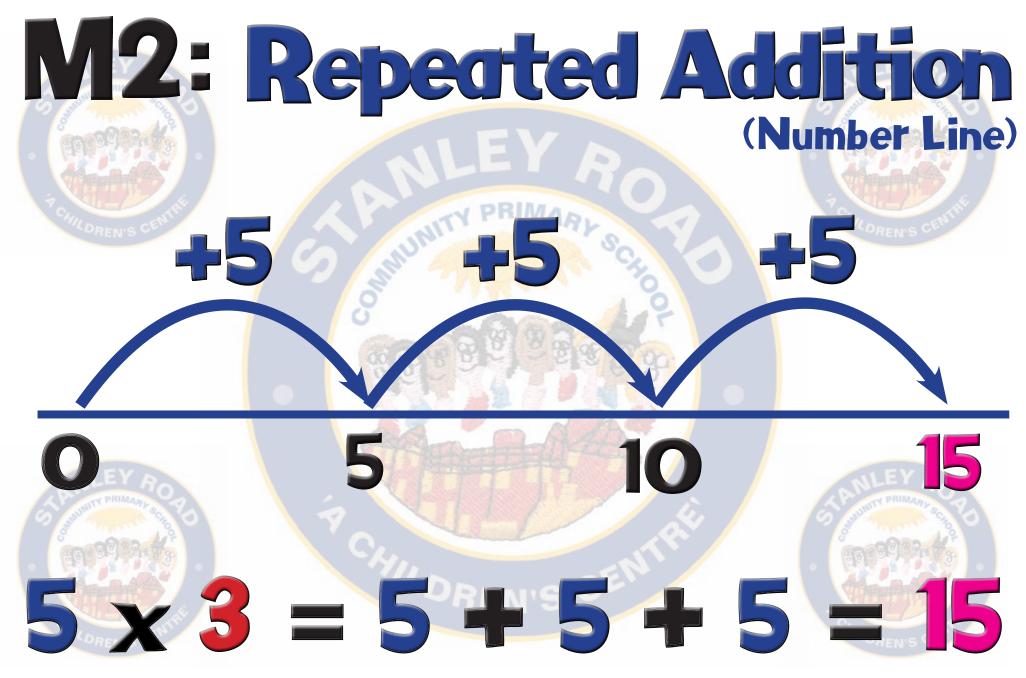




"5 multiplied by 3" means "5, 3 times", which gives "3 lots of 5"!



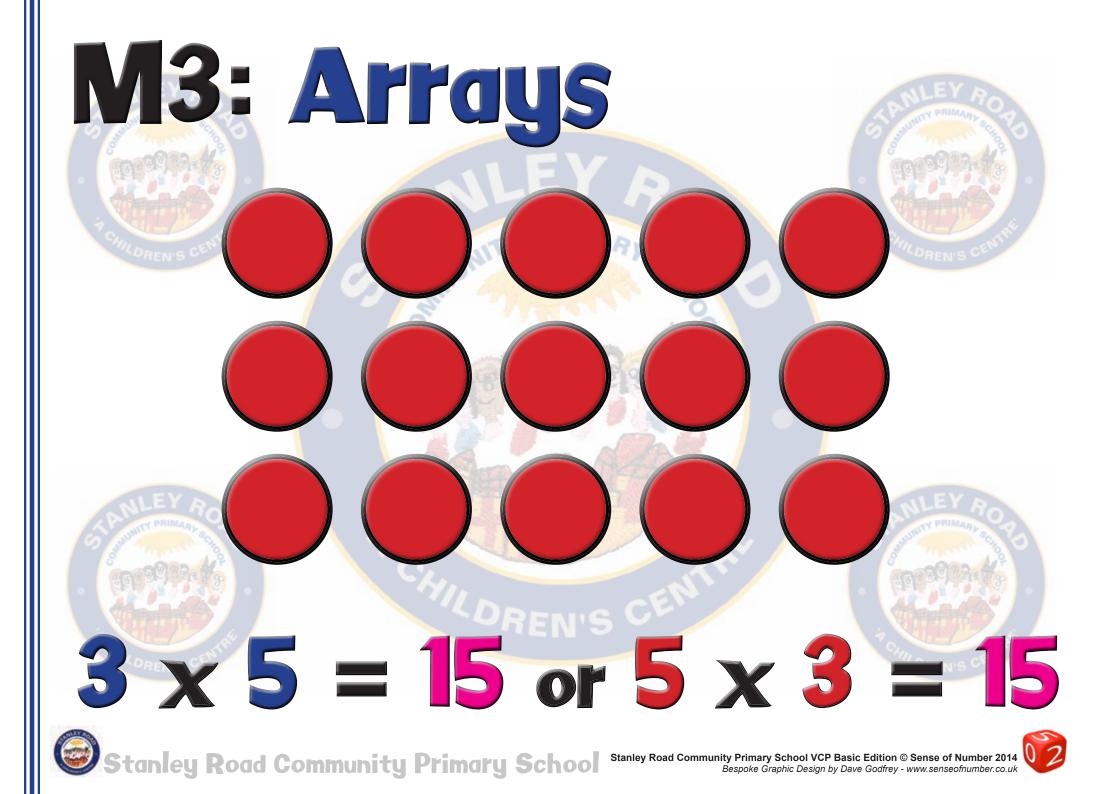
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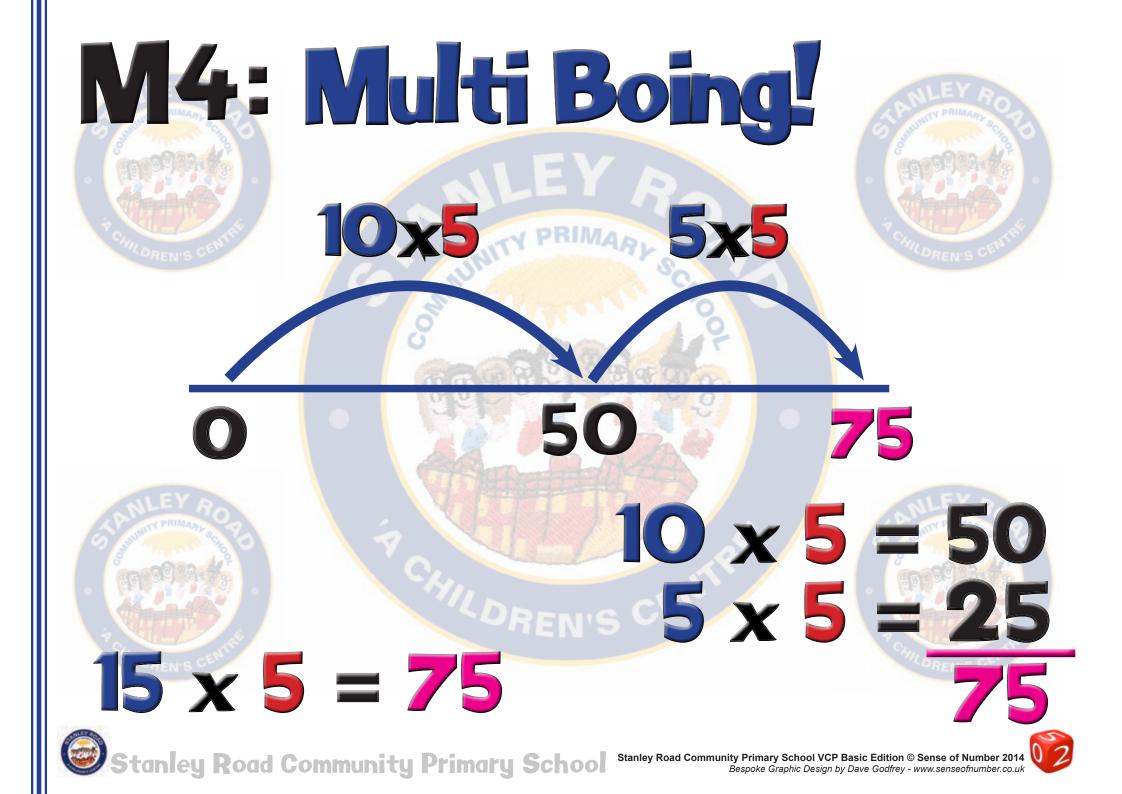


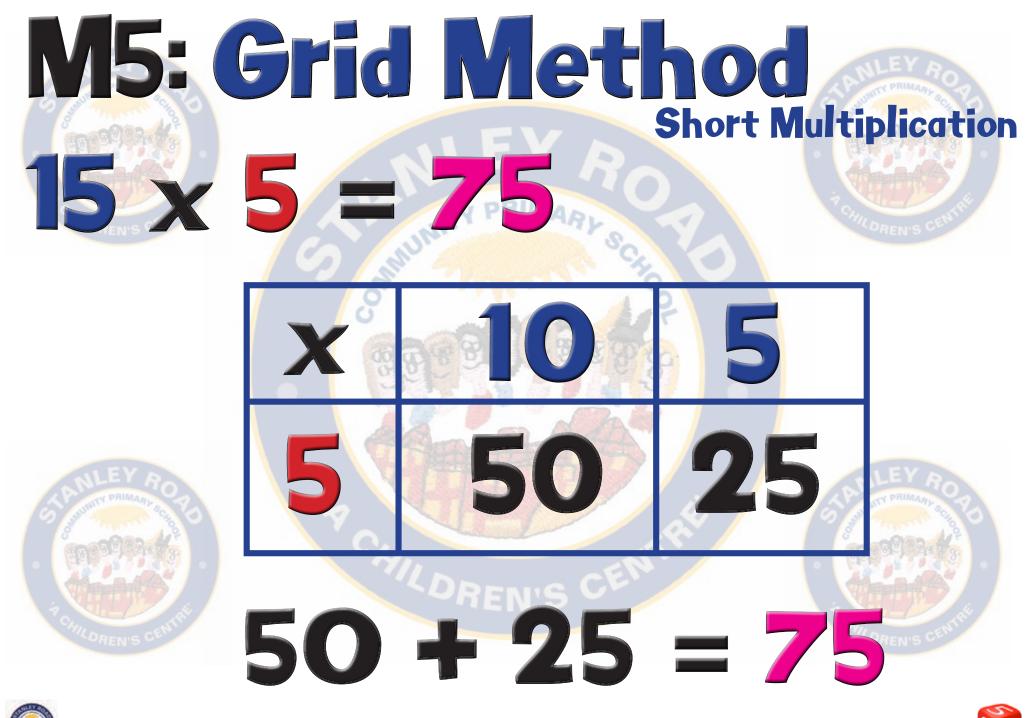
"5 times 3" means "5, 3 times!"

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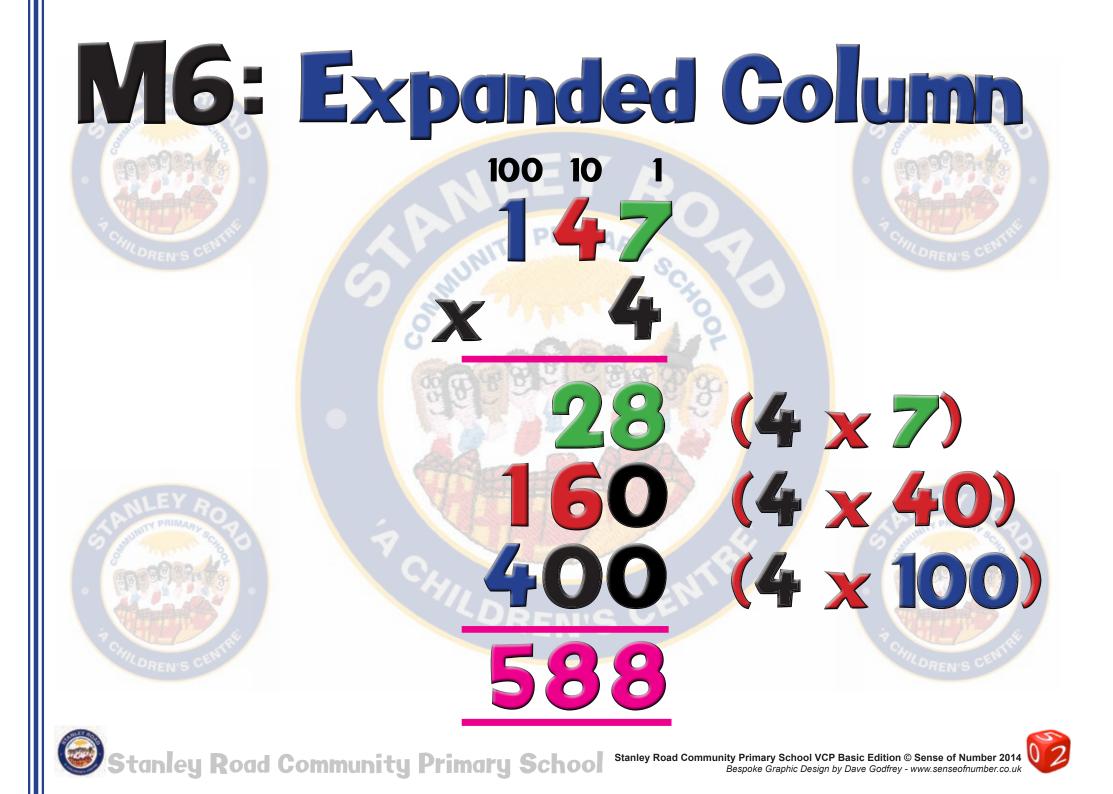


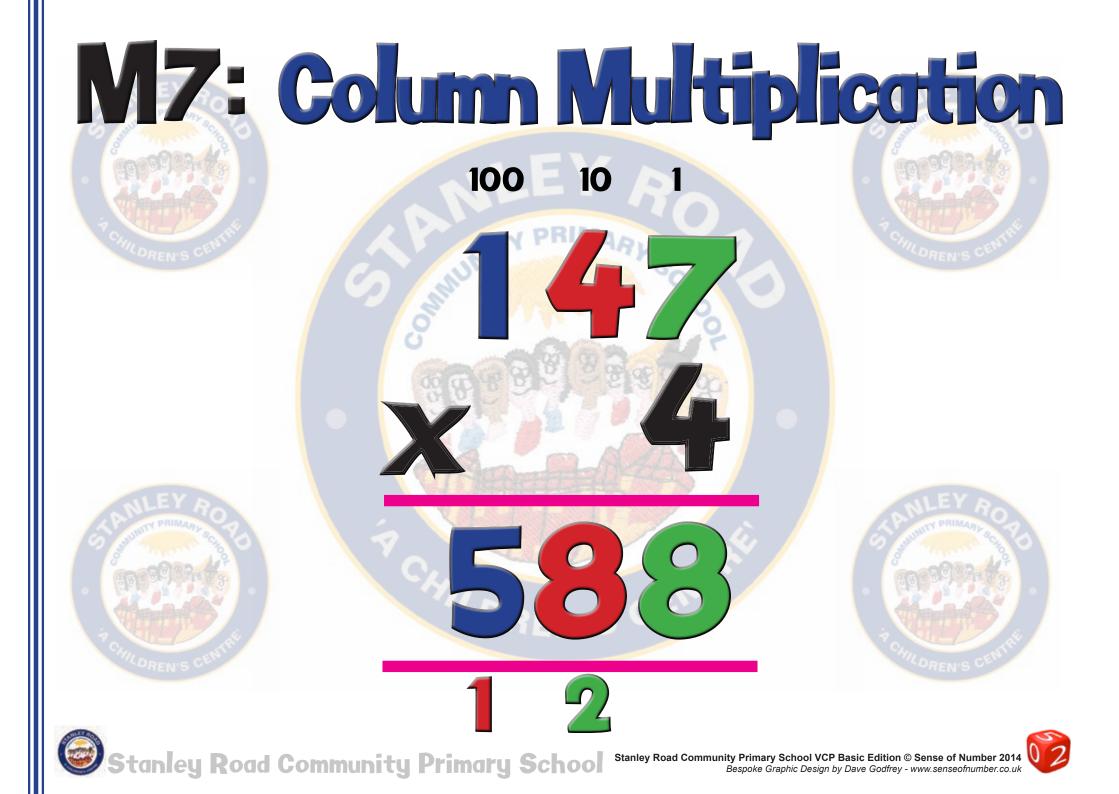


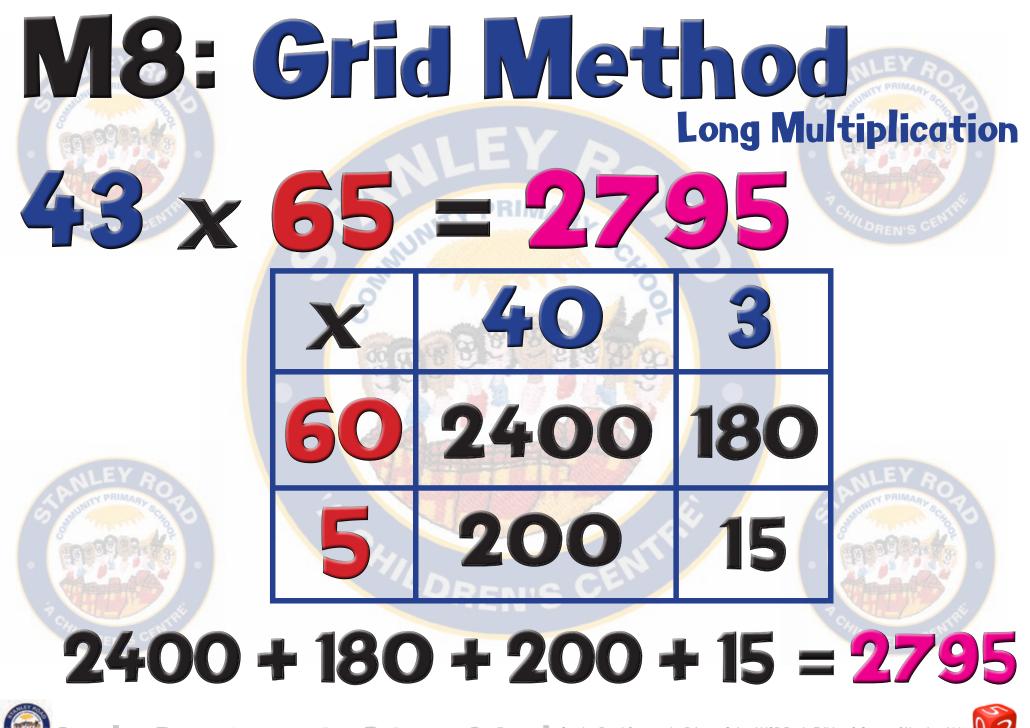


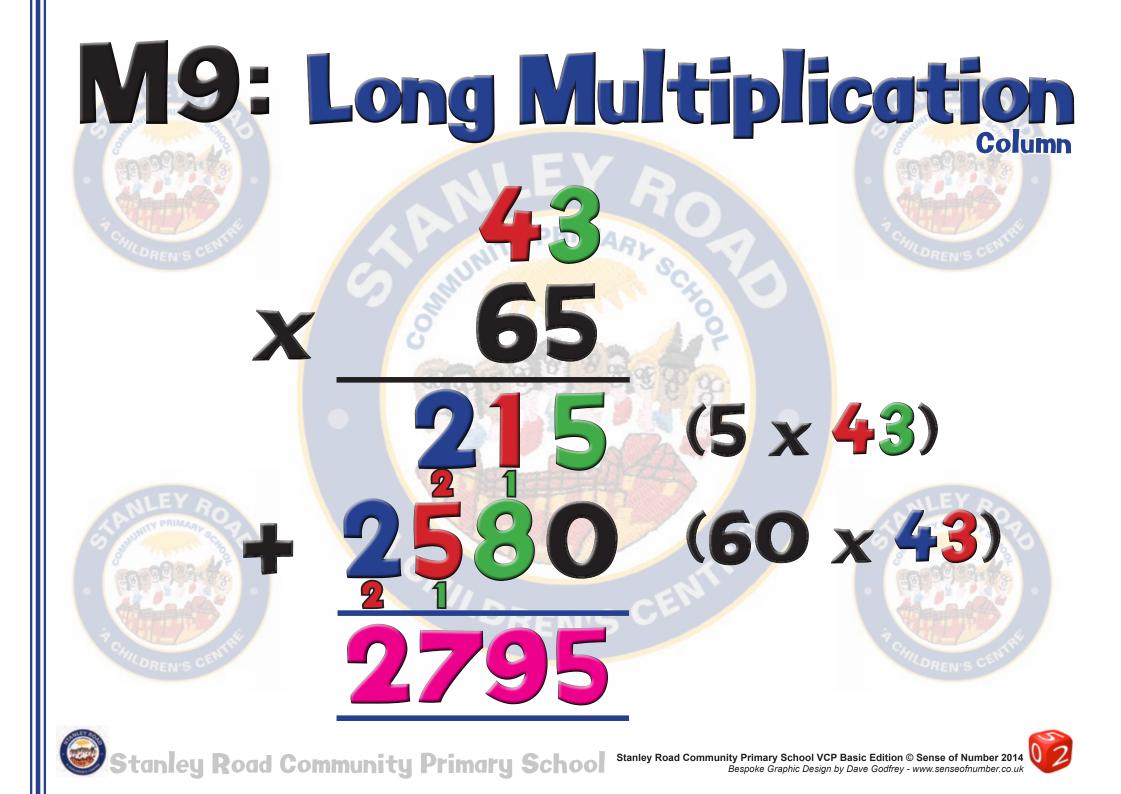


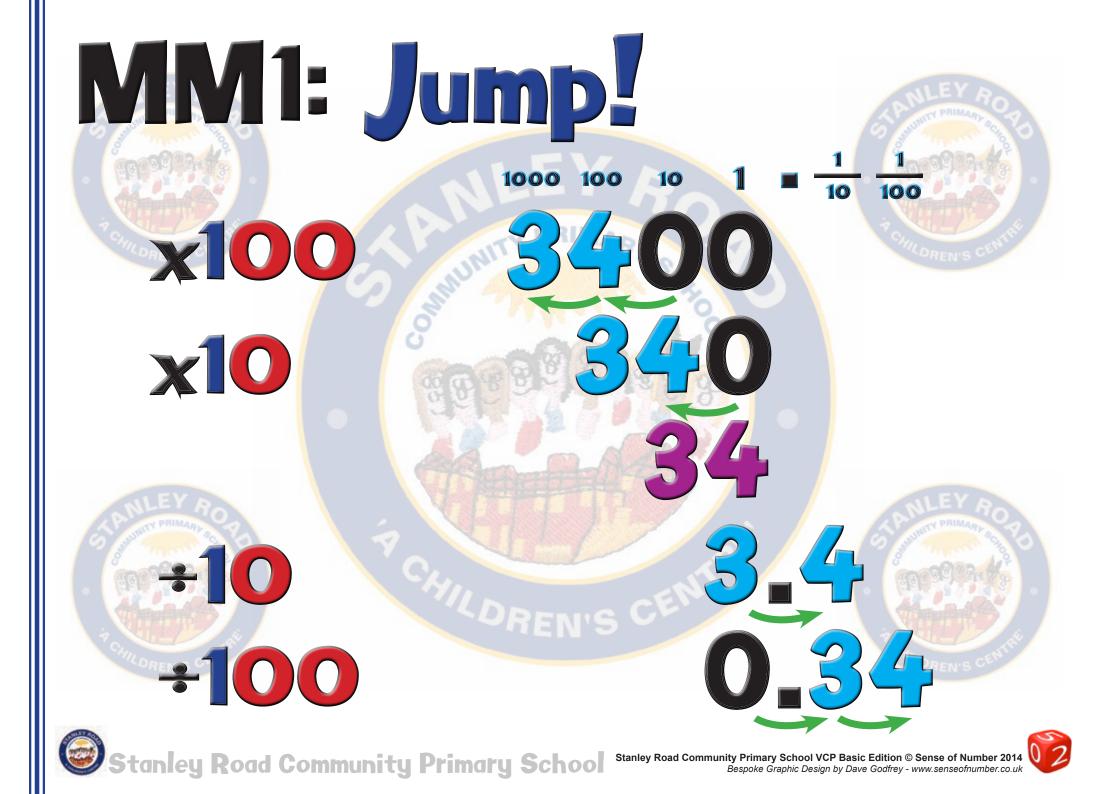












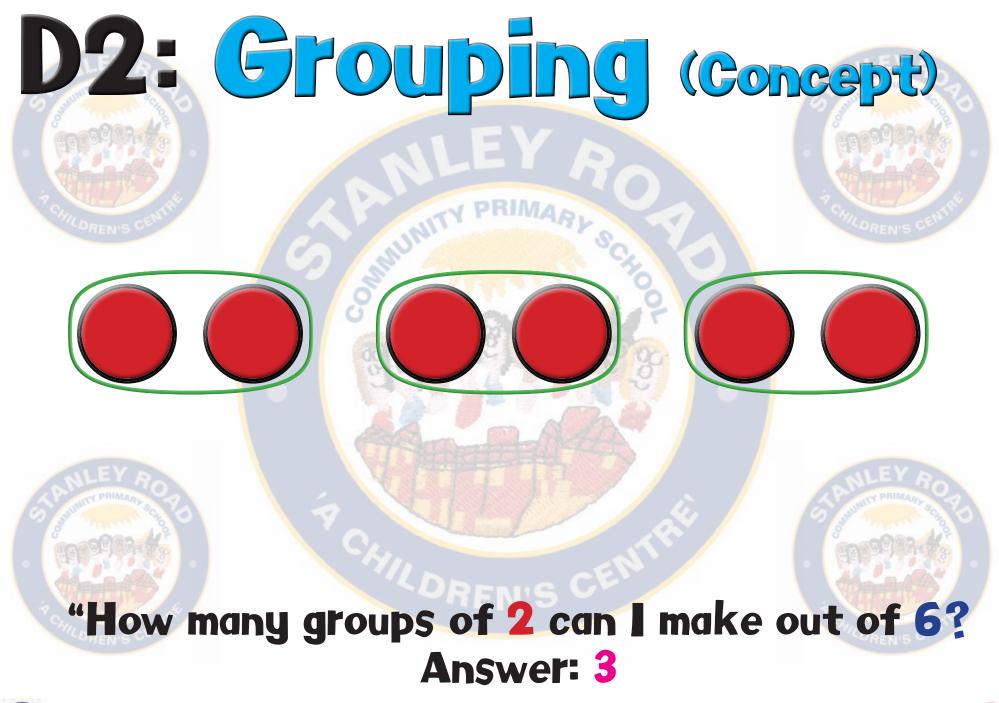
## "If I share 6 into 2 equal amounts, how many in each group?" Answer: 3

D1: Sharing (Concept)

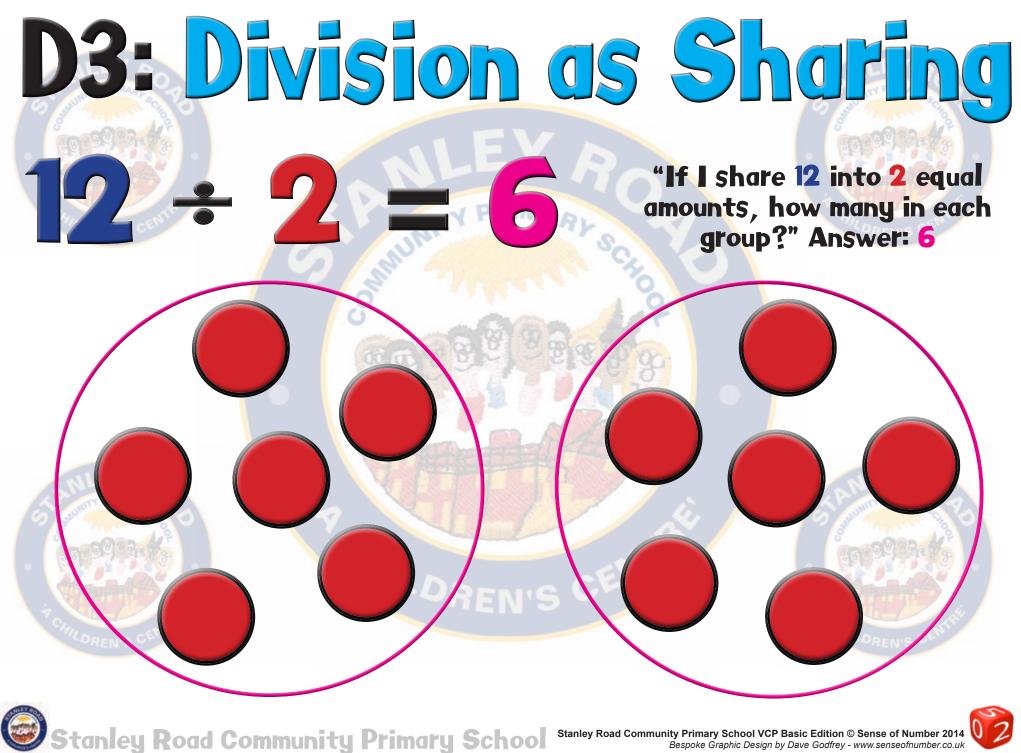


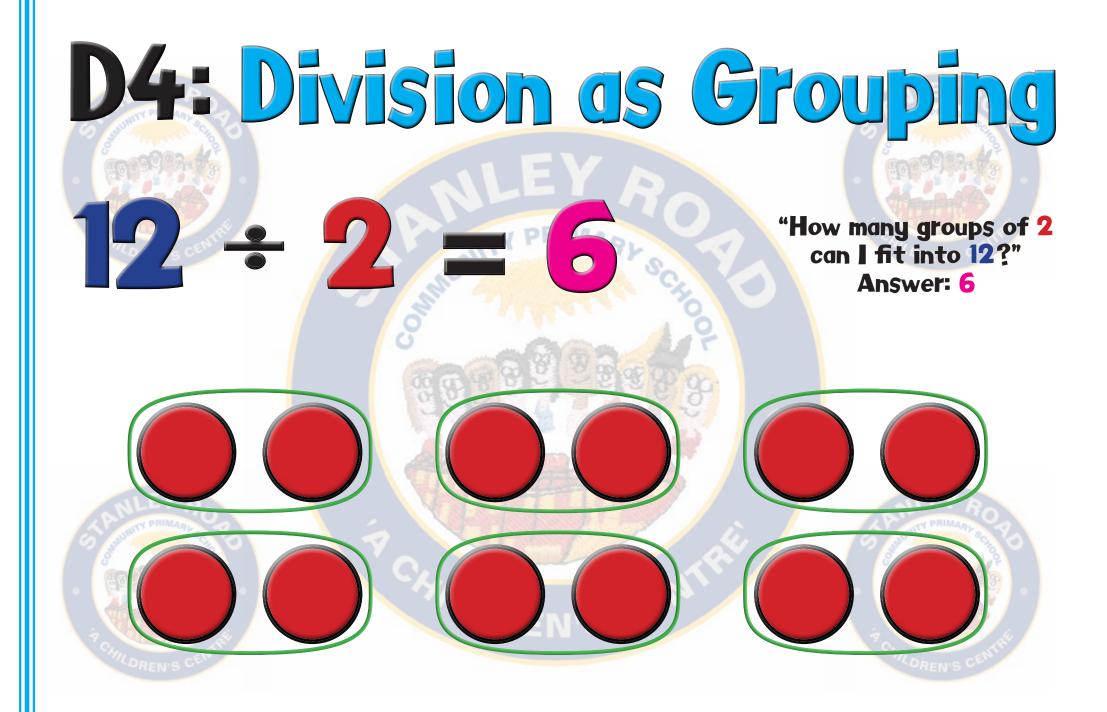
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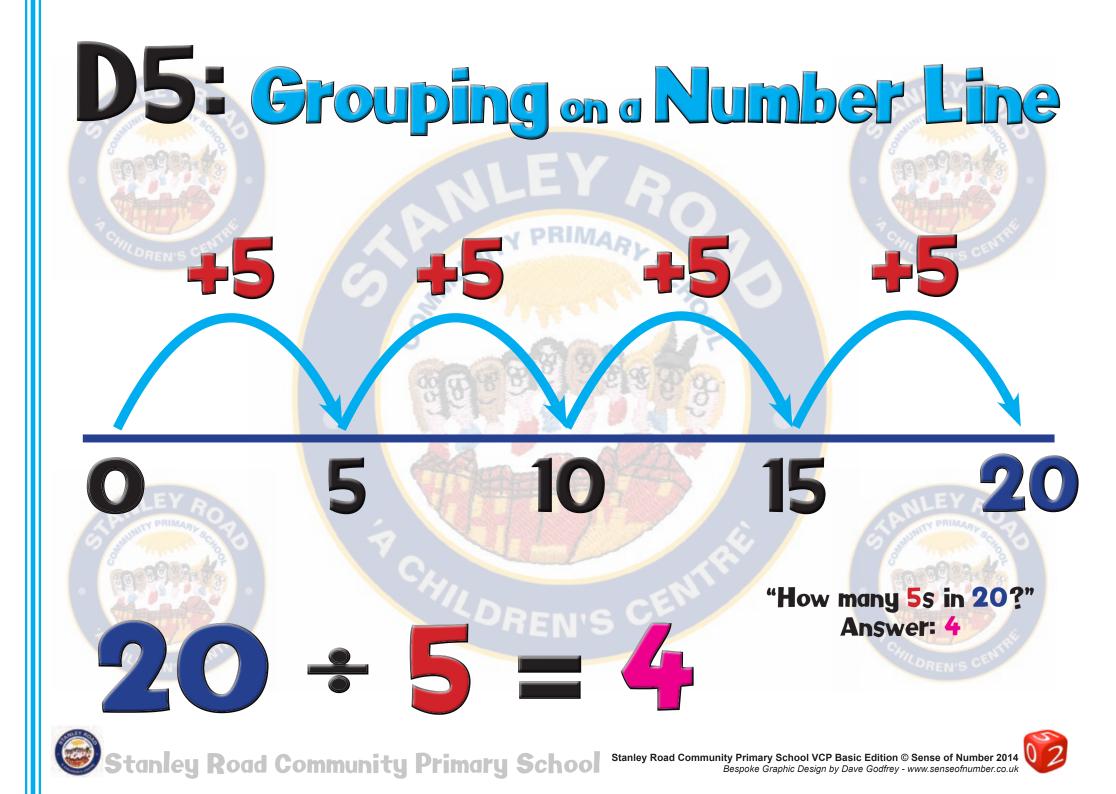


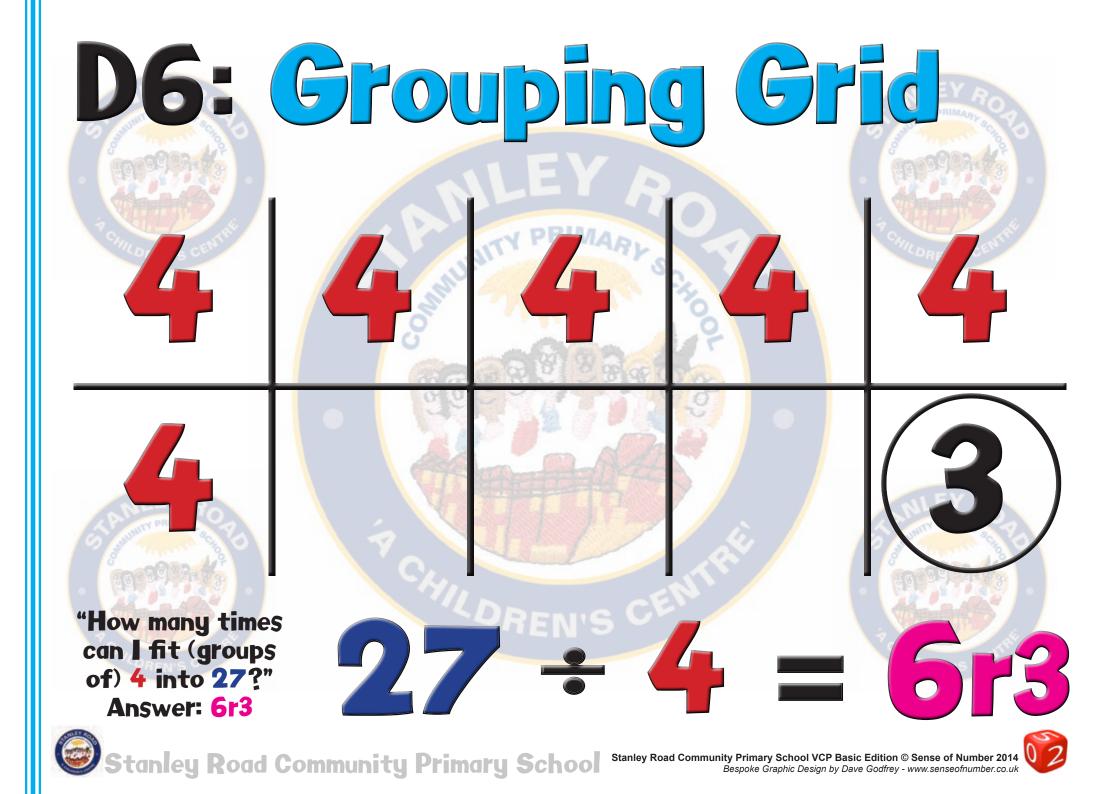


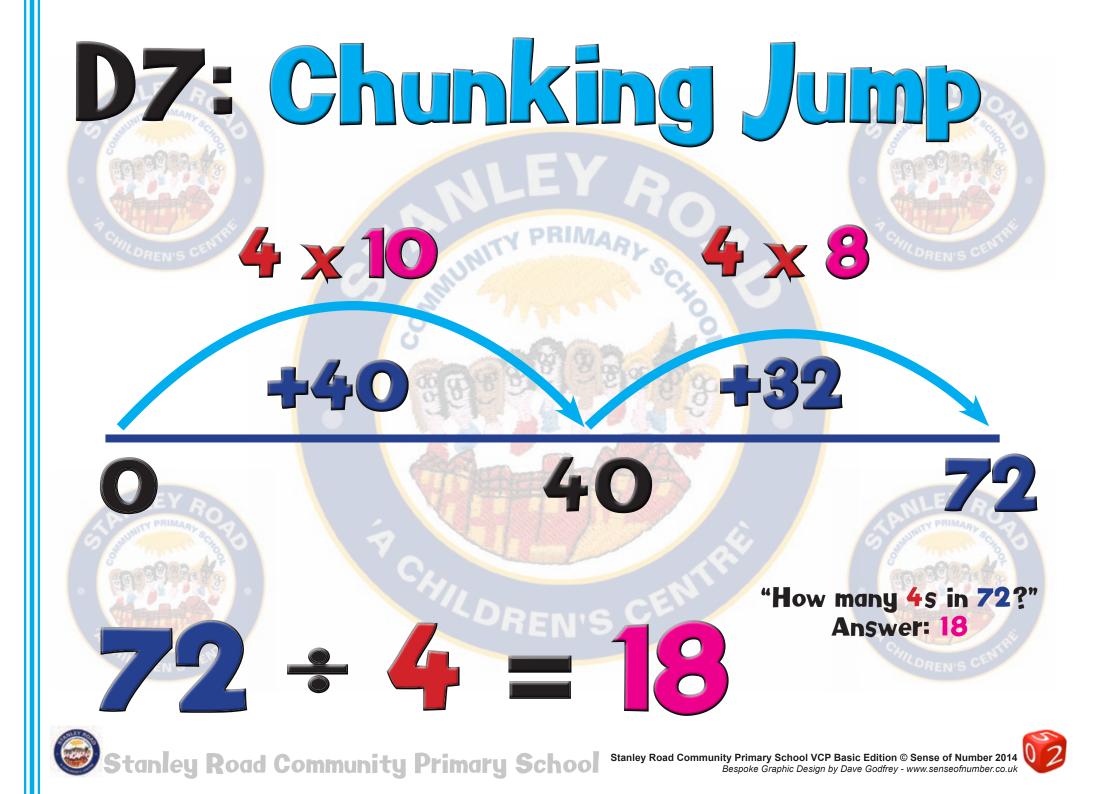


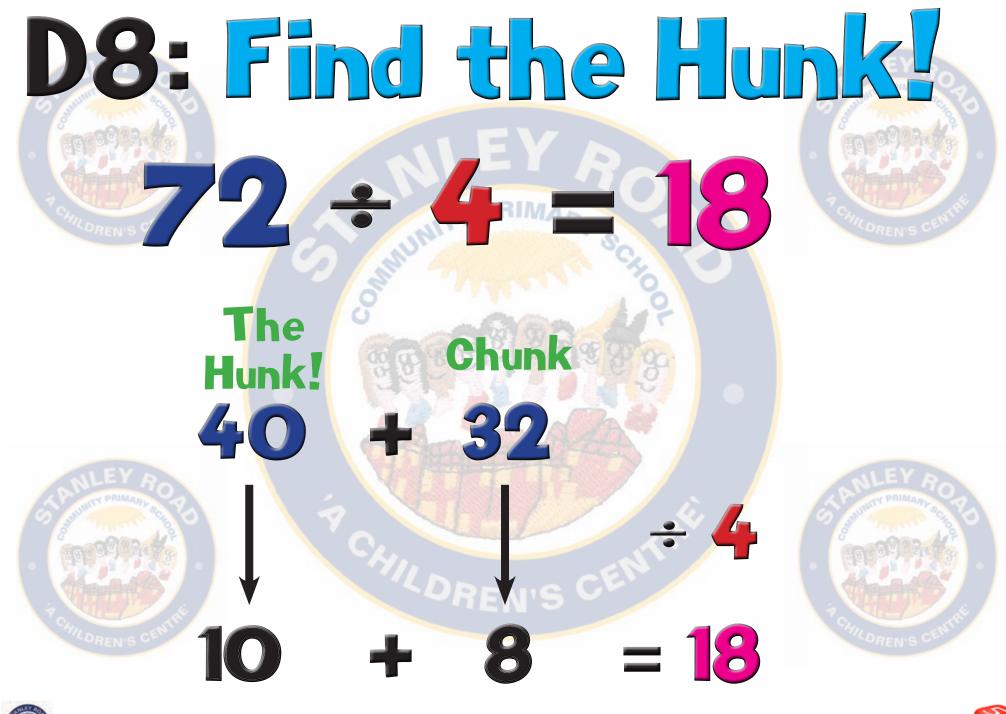




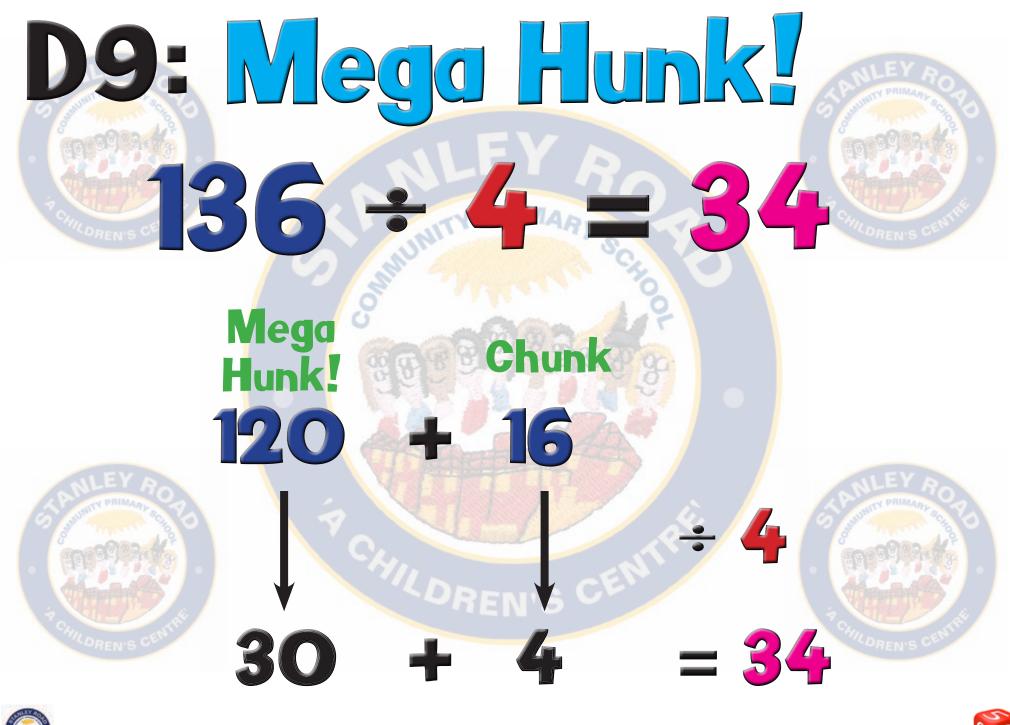




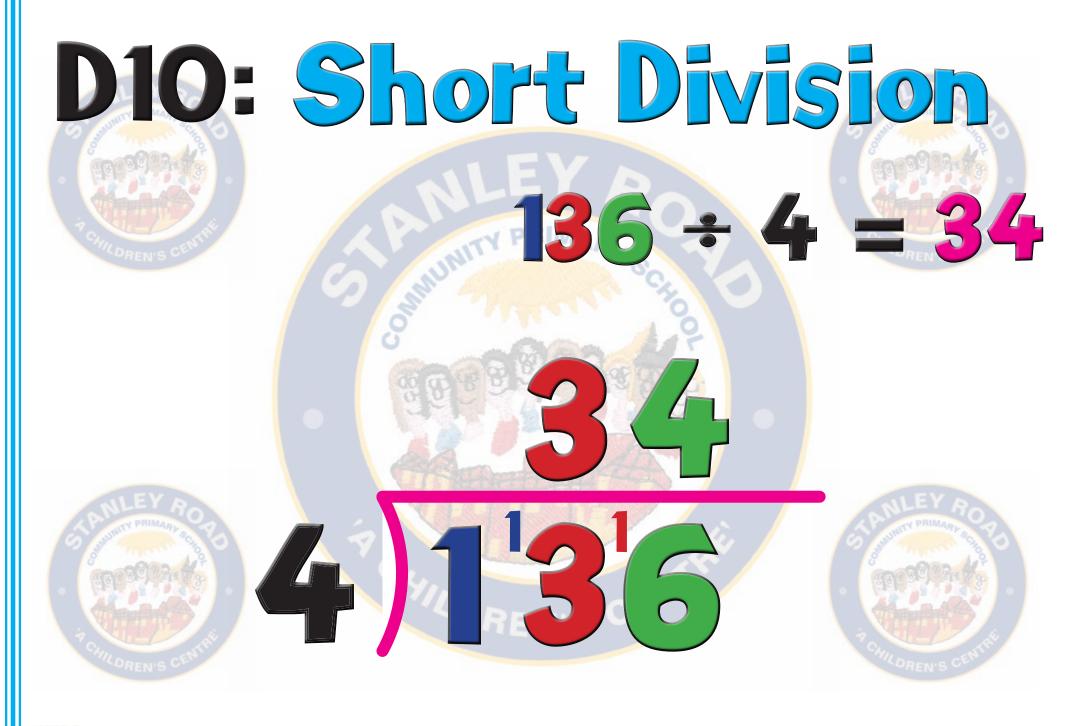




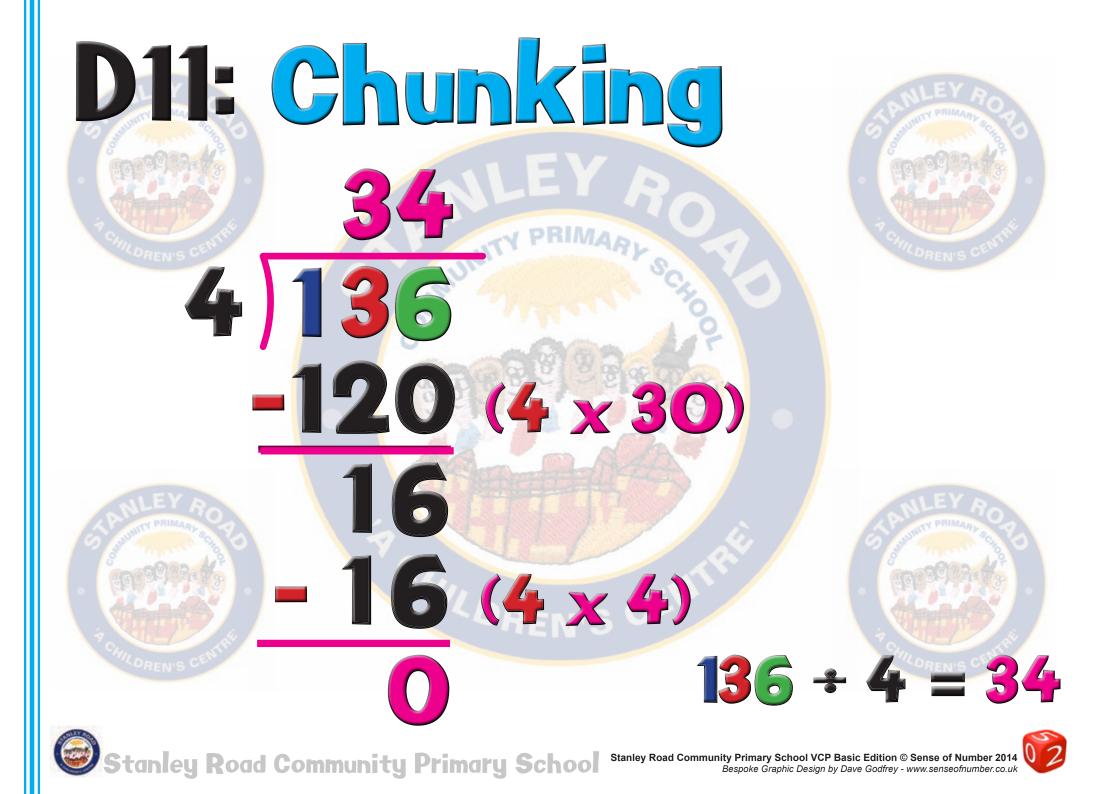




















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