

## EMERGENT AND COUNTING ALL

E CA AC EA AA AM AP

I can...

Recall my addition facts to five	Recall my subtraction facts to five	Recall my doubles to 10
$1 + 2 =$	$2 - 1 =$	$5 + 5 =$
$3 + 2 =$	$1 - 1 =$	
$1 + 1 =$	$5 - 4 =$	$1 + 1 =$
$2 + 3 =$	$4 - 3 =$	
$2 + 1 =$	$5 - 3 =$	$2 + 2 =$
$1 + 3 =$	$3 - 2 =$	
$3 + 1 =$	$4 - 2 =$	$4 + 4 =$
$2 + 2 =$	$3 - 1 =$	
$4 + 1 =$	$5 - 2 =$	$3 + 3 =$

## ADVANCED COUNTING AND EARLY ADDITIVE

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**I can...**

Recall addition and subtraction facts to 10	Recall my doubles to 20 and corresponding halves	Recall my multiples of 10 which add to 100	Recall my addition facts to twenty	Recall my subtraction facts to ten
$7 + 2 =$	$5 + 5 =$	$70 + \dots = 100$	$4 + 9 =$	$8 - 7 =$
$3 + 5 =$	$3 + 3 =$	$30 + \dots = 100$	$13 + 6 =$	$7 - 6 =$
$4 + 3 =$	$7 + 7 =$	$60 + \dots = 100$	$4 + 8 =$	$6 - 3 =$
$6 + 2 =$	$8 + 8 =$	$10 + \dots = 100$	$9 + 10 =$	$9 - 8 =$
$8 + 1 =$	$2 + 2 =$	$50 + \dots = 100$	$6 + 9 =$	$5 - 4 =$
$4 + 5 =$	$4 + 4 =$	$100 + \dots = 100$	$8 + 7 =$	$8 - 2 =$
$10 - 6 =$	$9 + 9 =$	$90 + \dots = 100$	$4 + 12 =$	$9 - 7 =$
$7 - 4 =$	$10 + 10 =$	$80 + \dots = 100$	$14 + 3 =$	$7 - 1 =$
$5 - 3 =$	$6 + 6 =$	$40 + \dots = 100$	$6 + 6 =$	$9 - 3 =$
$8 - 3 =$	$1 + 1 =$	$20 + \dots = 100$	$3 + 9 =$	$7 - 2 =$
$9 - 4 =$			$7 + 11 =$	$8 - 6 =$
$6 - 4 =$			$12 + 3 =$	$8 - 4 =$

## EARLY ADDITIVE

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### I can...

Recall my two times tables	Recall my ten times tables	Recall my multiples of 100 that add to 1000
$2 \times 3 =$	$10 \times 9 =$	$700 + \dots = 1000$
$2 \times 5 =$	$10 \times 5 =$	$900 + \dots = 1000$
$2 \times 9 =$	$10 \times 7 =$	$100 + \dots = 1000$
$2 \times 1 =$	$10 \times 2 =$	$500 + \dots = 1000$
$2 \times 5 =$	$10 \times 4 =$	$400 + \dots = 1000$
$2 \times 4 =$	$10 \times 8 =$	$200 + \dots = 1000$
$2 \times 8 =$	$10 \times 1 =$	$800 + \dots = 1000$
$2 \times 2 =$	$10 \times 10 =$	$1000 + \dots = 1000$
$2 \times 6 =$	$10 \times 3 =$	$300 + \dots = 1000$
$2 \times 7 =$	$10 \times 6 =$	$600 + \dots = 1000$

## ADVANCED ADDITIVE

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**I can...**

Recall my addition and subtraction facts to 20		Recall my 3, 4, 5, 6, 7, 8, 9 X tables				Recall my multiplication facts with tens, hundreds and thousands	
$6 + 7 =$	$16 - 6 =$	$9 \times 5 =$	$5 \times 8 =$	$3 \times 7 =$	$9 \times 8 =$	$10 \times 4 =$	$10 \times 9 =$
$3 + 9 =$	$17 - 9 =$	$7 \times 9 =$	$4 \times 7 =$	$6 \times 5 =$	$8 \times 6 =$	$1000 \times 7 =$	$100 \times 6 =$
$8 + 4 =$	$15 - 4 =$	$8 \times 7 =$	$8 \times 8 =$	$4 \times 4 =$	$9 \times 4 =$	$10 \times 3 =$	$10 \times 5 =$
$7 + 4 =$	$16 - 8 =$	$6 \times 2 =$	$5 \times 2 =$	$5 \times 4 =$	$8 \times 6 =$	$100 \times 5 =$	$100 \times 9 =$
$9 + 3 =$	$12 - 7 =$	$7 \times 8 =$	$6 \times 5 =$	$3 \times 2 =$	$3 \times 3 =$	$1000 \times 2 =$	$1000 \times 3 =$
$13 + 4 =$	$14 - 8 =$	$6 \times 7 =$	$7 \times 5 =$	$9 \times 2 =$	$9 \times 6 =$	$10 \times 6 =$	$1000 \times 6 =$
$5 + 7 =$	$16 - 2 =$	$3 \times 8 =$	$6 \times 4 =$	$7 \times 2 =$	$9 \times 9 =$	$100 \times 4 =$	$100 \times 3 =$
$8 + 7 =$	$15 - 12 =$	$3 \times 5 =$	$6 \times 3 =$	$7 \times 4 =$	$7 \times 7 =$	$10 \times 7 =$	$1000 \times 9 =$
$12 + 7 =$	$19 - 13 =$	$7 \times 3 =$	$6 \times 6 =$	$5 \times 3 =$	$9 \times 7 =$	$1000 \times 8 =$	$100 \times 8 =$
$14 + 3 =$	$13 - 7 =$	$8 \times 5 =$	$4 \times 9 =$	$6 \times 9 =$	$7 \times 6 =$	$10 \times 2 =$	$1000 \times 4 =$
$9 + 2 =$	$16 - 3 =$	$8 \times 4 =$	$4 \times 2 =$	$7 \times 8 =$	$8 \times 3 =$	$100 \times 2 =$	$1000 \times 5 =$

## ADVANCED MULTIPLICATIVE

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**I can...**

Convert fractions to decimals to percentages and vice versa for halves, quarters, fifths and tenths			Recall my division facts up to my ten times tables			
Fraction	Decimal	Percentage				
	0.7		$30 \div 10 =$	$81 \div 9 =$	$40 \div 8 =$	$15 \div 3 =$
		50%	$10 \div 5 =$	$12 \div 2 =$	$18 \div 6 =$	$24 \div 8 =$
$\frac{1}{4}$			$40 \div 4 =$	$35 \div 5 =$	$14 \div 2 =$	$45 \div 9 =$
	0.6		$9 \div 1 =$	$30 \div 3 =$	$35 \div 7 =$	$7 \div 7 =$
		40%	$24 \div 3 =$	$36 \div 6 =$	$90 \div 10 =$	$4 \div 2 =$
$\frac{4}{5}$			$48 \div 6 =$	$64 \div 8 =$	$20 \div 2 =$	$12 \div 4 =$
$\frac{1}{1}$			$42 \div 6 =$	$5 \div 5 =$	$16 \div 8 =$	$35 \div 7 =$
	0.75		$40 \div 5 =$	$9 \div 3 =$	$12 \div 6 =$	$72 \div 9 =$
		10%	$49 \div 7 =$	$72 \div 8 =$	$32 \div 4 =$	$32 \div 8 =$
	0.8		$27 \div 9 =$	$24 \div 4 =$	$15 \div 5 =$	$14 \div 7 =$
$\frac{3}{10}$			$18 \div 9 =$	$50 \div 10 =$	$20 \div 10 =$	$28 \div 7 =$

## ADVANCED MULTIPLICATIVE AND ADVANCED PROPORTIONAL

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**I can...**

Work out whether a number is divisible by 2, 5 and 10.	Work out whether a number is divisible by 3, 6 and 9.	Square numbers to 100 and find the corresponding square roots.	Calculate factors of numbers to 100.	Find the lowest common multiple of two numbers.
84	57	$4^2$	28	12, 36
130	534	$3^2$	66	3, 7
79	342	$9^2$	81	7, 5
438	783	$6^2$	30	9, 18
540	462	$5^2$	68	6, 18
212	445	$8^2$	63	7, 9
415	311	$\sqrt{4}$	54	2, 8
Work out whether a number is divisible by 4 and 8.		$\sqrt{16}$	Identify prime numbers.	
216	3864	$\sqrt{100}$	13	63
2412	4012	$\sqrt{81}$	93	87
196	374	$\sqrt{36}$	29	59

## ADVANCED PROPORTIONAL

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**I can...**

Convert fractions to decimals to percentages and vice versa.			Solve simple powers of numbers	Find the highest common factor of numbers to 100
Fractions	Decimals	Percentages		
	0.888		$3^3$	36, 24
		87.5%	$1^2$	21, 7
$\frac{2}{3}$			$2^5$	16, 24
		44.4%	$3^2$	86, 4
	0.125		$2^3$	21, 15
	0.2		$2^4$	81, 27
$\frac{5}{9}$			$10^2$	24, 8
$\frac{6}{8}$			$10^3$	15, 35
		37.5%	$4^3$	32, 16
$\frac{2}{6}$			$5^3$	99, 66

