

KS1 Arithmetic (for use as basis for Number Talks)

Place Value/addition/subtraction

2015	2016	2017	2018	2019
$\underline{\quad} + 5 = 9$	$10 - \underline{\quad} = 2$	$6 - 4 =$	$2 + 7 =$	$9 - 3 =$
			$\underline{\quad} + 8 = 20$	$\underline{\quad} + 8 = 12$
	$10 + 40 + 20 =$	$20 + 30 + 50 =$	$10 + 20 =$	
	$63 - 10 - 10 =$	$90 - 80 =$	$100 - 10 =$	$80 - 10 =$
$50 - \underline{\quad} = 20$	$50 + \underline{\quad} = 80$	$20 + \underline{\quad} = 70$		
$19 - 9 =$			$18 - 8 =$	
			$3 + 30 + 3 =$	$5 + 10 + 5 =$
			$4 + 81 =$	$5 + 32 =$
$89 + 10 =$	$21 + 40 =$	$47 + 50 =$	$99 + 10 =$	$68 + 20 =$
$87 - 40 =$		$92 - 60 =$	$54 - 20 =$	$39 - 20 =$
	$52 + 7 =$	$22 + 7 =$		
$17 - 6 =$			$88 - 4 =$	$18 - 6 =$
$39 - 8 =$		$\underline{\quad} = 15 - 2$		$\underline{\quad} = 19 - 5$
$8 + 5 + 4 =$	$4 + 5 + 6 =$	$3 + \underline{\quad} + 6 = 16$		
$5 + 7 =$	$8 + 6 =$	$7 + 8 =$	$37 + 5 =$	$7 + 84 =$
$46 + 7 =$		$97 + 5 =$		$98 + 4 =$
$15 + 3 + 3 =$				
	$12 - 7 =$	$43 - 5 =$	$63 - 4 =$	$54 - 8 =$
		$84 + 12 =$	$54 + 22 =$	$22 + 22 =$
$36 + 24 =$	$69 + 11 =$	$99 + 1 =$	$67 + 33 =$	$23 + 37 =$
$43 + 38 =$	$55 + 17 =$	$52 + 29 =$	$17 + 48 =$	
$86 - 21$		$85 - 21 =$		
			$59 - 15 =$	$64 - 11 =$
$70 - 18$	$71 - 14 =$	$91 - 48 =$	$74 - 47 =$	$73 - 19 =$
				$62 - 54 =$
$65 + \underline{\quad} = 93$	$28 + \underline{\quad} = 35$			
	$56 - \underline{\quad} = 51$		$98 - \underline{\quad} = 28$	$100 - \underline{\quad} = 52$
		$\underline{\quad} - 12 = 36$		

Multiplication and division

2015	2016	2017	2018	2019
$8 \times 10 =$	$10 \times 9 =$		$3 \times 10 =$	$10 \times 10 =$
			$6 \times 10 =$	
$2 \times 0 =$	$3 \times 2 =$	$6 \times 2 =$	$7 \times 2 =$	
	$5 \times 8 =$	$5 \times 12 =$		$5 \times 6 =$
$3 \times 3 =$	$6 \times 3 =$	$8 \times 3 =$		
$12 \div 2 =$	$8 \div 2 =$	$2 \div 2 =$	$8 \div 2 =$	$14 \div 2 =$
	$40 \div 10 =$	$80 \div 10 =$	$120 \div 10 =$	$40 \div 10 =$
$35 \div 5 =$	$5 \div 5 =$			

Fractions

2015	2016	2017	2018	2019
$\frac{1}{2}$ of 30	$\frac{1}{2}$ of 16	$\frac{1}{4}$ of 14	$\frac{1}{6}$ of 6	$\frac{1}{2}$ of 90
$\frac{1}{4}$ of 20	$\frac{1}{4}$ of 12		$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 8
$\frac{3}{4}$ of 40	$\frac{3}{4}$ of 20			
				$\frac{2}{4}$ of 36
$\frac{1}{3}$ of 21	$\frac{1}{3}$ of 30	$\frac{1}{3}$ of 12		

michelle_cornwell@hotmail.com

Accredited Professional
Development Lead

National Centre
for Excellence in the
Teaching of Mathematics

Progression within addition and subtraction

Single digit addition/subtraction (include missing numbers)

Include doubles, go onto near doubles.

Place value adding/subtracting tens and ones to make or from a 2 digit number (include missing numbers).

Add 3 single digits (bond to 10), include missing numbers.

Addition/subtraction of multiples of 10 (include missing numbers)

Addition/subtraction of multiples of tens to single digits -more than 2 numbers – (include missing numbers).

Add/subtract 2 digit number and ones without crossing (include missing numbers).

Add/subtract a 2 digit number and tens (go to 110) (include missing numbers).

Add two 2 digit numbers- without crossing tens

-with crossing tens

Add/ subtract single digit number to 2 digit numbers (bridging)

Subtract two 2 digit numbers – not crossing tens.

Subtract two 2 digit numbers- crossing tens.

Missing numbers with whole amount from bar model missing e.g. $26 = \underline{\quad} - 5$.

michelle_cornwell@hotmail.com

Accredited Professional
Development Lead

National Centre
for Excellence in the
Teaching of Mathematics

The logo consists of three overlapping circles in shades of blue and teal, positioned to the right of the text.