Addition

Written Methods	Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs	solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction 4 2 3 + 8 8 5 1 1 1	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition where appropriate 2 4 5 8 + 5 9 6 3 0 5 4 1 1	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
Developing conceptual understanding	Number bonds (Ten frame) Use bonds of 10 to calculate bonds of 20 Count all Count on R 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Number track / Number line – jumps of 1 then efficient jumps using number bonds 18 + 5 = 23 46 + 27 = 73 Count in tens then bridge. 25 + 29 by + 30 then -1 (Round and adjust) Partition and recombine 46 + 27 = 60 + 13 = 73	Number line: 264 + 158 efficient jumps 100 100 100 100 100 100 100 1	Continue to develop conceptual understanding of addition using resources from previous years as appropriate.	23454 + 596 24050	Defensestel
With jottings or in your head	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = -9	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * two two-digit numbers * adding three one-digit numbers	Add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	Add and subtract numbers mentally with increasingly large numbers	Perform mental calculations, including with mixed operations and large numbers
Just know it!	Represent & use number bonds and related subtraction facts within 20 Add and subtract one-digit and two-digit numbers to 20, including zero	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				
Year	1	2	3	4	5	6
	1 more	10 more Number bonds: 20, 12, 13	Add multiples of 10, 100	Add multiples of 10s , 100s, 1000s	Add multiples of 10s , 100s, 1000s, tenths,	Add multiples of 10s , 100s, 1000s, tenths, hundredths
	Number bonds: 5, 6	Number bonds: 14,15 Add 1 digit to 2 digit by bridging.	Add single digit bridging through boundaries	Fluency of 2 digit + 2 digit	Fluency of 2 digit + 2 digit including with decimals	Fluency of 2 digit + 2 digit including with decimals
	Largest number first. Number bonds: 7, 8	Partition second number, add tens then ones	Partition second number to add Pairs of 100	Partition second number to add Decimal pairs of 10 and 1	Partition second number to add	Partition second number to add
Foundations	Add 10. Number bonds: 9, 10	Add 10 and multiples. Number bonds: 16 and 17	Use near doubles to add	Use near doubles to add	Use number facts, bridging and place value	Use number facts, bridging and place value
	Ten plus ones. Doubles up to 10	Doubles up to 20 and multiples of 5 Add near multiples of 10.	Add near multiples of 10 and 100 by rounding and adjusting	Adjust both numbers before adding Add near multiples	Adjust numbers to add	Adjust numbers to add
	Use number bonds of 10 to derive bonds of 11	Number bonds: 18, 19 Partition and recombine	Partition and recombine	Partition and recombine	Partition and recombine	Partition and recombine

Subtraction

Written Methods Nod. with and interpret Methods Nod. with a decided and with a							
Number books (Astronomine - Jungs and 1 Table 2		mathematical statements involving addition (+), subtraction (–) and	subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of	to three digits, using formal written methods of columnar addition and subtraction 2 3 1 8 4 4 - 187	to 4 digits using the formal written methods of columnar addition where appropriate	more than 4 digits, including using formal written methods (columnar addition and subtraction) 2 1 3 1 5 2 3 4 4	subtraction multi-step problems in contexts, deciding which operations and methods to use and
Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = -9 I at vo-digit number and ones a two-digit number and ones a two-digit number and ens adding three one-digit numbers to 20, including zero Year 1 2 3 4 5 6 Number bonds, subtraction 20, 1, 13 Number bonds, subtraction 20, 1, 2, 13 Number bonds, subtraction 20, 2, 2, 2, 3 Number bonds, subtraction 20, 2, 2, 3 Number bonds, subt	conceptual	(Ten frame) (Ten frame) Difference between 7 and 10 6 less than 10 is 4 Count out, then count how many are left. 7 - 4 = 3 Count back on a number track, then number line. 15 - 6 = 9 Difference between 13 and 8 13 - 8 = 8 + _ = 13	then efficient jumps using number bonds 23 – 5 = 18 Using a number line, 73 – 46 = 26 Difference between 73 – 58 by counting up, 58 + _ = 73 Taking away and exchanging, 73 – 46 Where's the forty and six?' Twenty seven' **Now take away**	Place value counters 'Where's the one hundred and eighty and seven? Exchange to create three hundred and thirty and fourteen. Now take away the 'seven' Exchange to create two hundred, thirteen tens and seven Now take away the 'eighty' Now take away the 'eighty'	Continue to develop conceptual understanding of subtraction using resources from previous years as appropriate.		
# adding three one-digit numbers Represent and use number bonds and related subtraction facts within 20 Add and subtract one-digit and two-digit numbers to 20, including zero Year 1 2 3 4 5 I liess 1 liess 1 liess Number bonds, subtraction: 20, 12, 13 Number bonds, subtraction: 20, 12, 13 Number bonds, subtraction: 21, 13 Number bonds, subtraction: 4, 15 Subtract 1 digit from 2 digit by bridging boundaries Foundations Foundations Partition second number, count back Number bonds, subtraction: 9, 10 Number bonds, subtraction: 9, 10 Number bonds, subtraction: 9, 10 Subtract numbiples of 10 Subtract numbiples of 10 Subtract numbiples of 10 Subtract a digit by bridging through boundaries Partition second number to subtract Decimal subtraction from 10 or 1 Subtract 10 Subtract 10 Subtract 10 Subtract 10 Subtract 10 Subtract 10 Subtract numbiples of 10 Subtract number to subtract Decimal subtraction from 10 or 1 Difference between	or in your	involve addition and subtraction, using concrete objects and pictorial representations, and missing	concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens	mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and	step problems in contexts, deciding which operations and methods to		calculations, including with mixed operations and
Tourndations 1 less 10 less Number bonds, subtraction: 20, 12, 13 Number bonds, subtraction: 20, 12, 13 Number bonds, subtraction: 14, 15 Subtract 1 digit from 2 digit by bridging boundaries 1 less Number bonds, subtraction: 20, 12, 13 Number bonds, subtraction: 14, 15 Subtract 1 digit from 2 digit by bridging boundaries 1 less Number bonds, subtraction: 20, 12, 13 Number bonds, subtraction: 14, 15 Subtract 1 digit from 2 digit by bridging boundaries 1 less Number bonds, subtraction: 20, 12, 13 Number bonds, subtraction: 14, 15 Subtract 1 digit from 2 digit by bridging boundaries 1 less Number bonds, subtraction: 14, 15 Subtract 1 digit from 2 digit by bridging boundaries 1 less Number bonds, subtraction: 14, 15 Subtract 1 digit from 2 digit by bridging boundaries 1 less Number bonds, subtract 2 digit Subtract 2 digit Subtract 2 digit Subtract 2 digit Fluency of 2 digit subt	Just know it!	and related subtraction facts within 20 Add and subtract one-digit and two-	adding three one-digit numbers Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to				
Number bonds, subtraction: 20, 12, 13 Number bonds, subtraction: 20, 12, 13 Number bonds, subtraction: 4, 15 Subtract 1 digit from 2 digit by bridging boundaries Count back Number bonds, subtraction: 7, 8 Number bonds, subtraction: 7, 8 Subtract 1 digit from 2 digit by bridging boundaries Count back Number bonds, subtraction: 7, 8 Subtract 10 second number to subtract Decimal subtraction from 10 or 1 Foundations Fluency of 2 digit - 2 digit including with decimals Fluency of 2 digit rough including with decimals Partition second number to subtract Decimal subtraction from 10 or 1 Subtract 10. Subtract 10 and multiples of 10 Number bonds, subtraction: 16, 17 Subtract 10 and multiples of 10 Subtract 10 and multiples of 10 Subtract near multiples of 10 and 100 by rounding and adjusting Difference between	Year	1		3	4	5	~
Number bonds, subtraction: 5, 6 Number bonds, subtraction: 14, 15 Subtract 1 digit from 2 digit by bridging boundaries Count back Number bonds, subtraction: 7, 8 Subtract 10. Partition second number to subtract Partition second number to subtract Decimal subtraction from 10 or 1 Partition second number to subtract Decimal subtraction from 10 or 1 Partition second number to subtract Decimal subtraction from 10 or 1 Partition second number to subtract Decimal subtraction from 10 or 1 Partition second number to subtract Decimal subtraction from 10 or 1 Difference between		1 less		Subtract multiples of 10 and 100	Subtract multiples of 10s , 100s, 1000s	Subtract multiples of 10s , 100s, 1000s, tenths,	
Foundations Count back Number bonds, subtraction: 7, 8 Subtract 10. Number bonds, subtraction: 9, 10 Subtract 10. Subtract near multiples of 10 Subtract near multiples of 10 and 100 by rounding and adjusting Subtract near multiples of 10 and 100 by rounding and adjusting Difference between Subtract near multiples of 10 and 100 by rounding and adjusting Difference between Difference between Adjust numbers to subtract Adjust numbers to subtract Adjust numbers to subtract Difference between		Number bonds, subtraction: 5, 6	Number bonds, subtraction: 14, 15		Fluency of 2 digit subtract 2 digit		Fluency of 2 digit - 2 digit
Foundations Number bonds, subtraction: 9, 10 Number bonds, subtraction: 16, 17 Subtract near multiples of 10 Subtract near multiples of 10 and 100 by rounding and adjusting rounding and adjusting Difference between Difference between Adjust numbers to subtract Adjust numbers to subtract Difference between			Partition second number, count back in				Partition second number to
Teens subtract 10. Subtract near multiples of 10 Subtract near multiples of 10 and 100 by rounding and adjusting Subtract near multiples by rounding and adjusting Adjust numbers to subtract Adjust numbers to subtract Adjust numbers to subtract Difference between Difference between Difference between	Foundations			Difference between	Difference between	Difference between	
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