Year 5 Calculation Expectations



2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x x and ÷ by 10, 100 and 1000

Addition

- add and subtract whole numbers with more than 4 digits, including using formal written methods
- add and subtract numbers mentally with increasingly large numbers.
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

HTh	TTh	Th	н	Т	0	
4	3	9	4	1	8	+
3	4	5	1	6	7	
7	8	4	5	8	5	
	1			1		

5
345167

7845.85							
4394.18	3451.67						

Th	н	т	0	t	Н	
4	3	9	4	1	8	+
3	4	5	1	6	7	
7	8	4	5	8	5	
	1			1		

Subtraction

- add and subtract whole numbers with more than 4 digits, including using formal written methods
- add and subtract numbers mentally with increasingly large numbers.
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

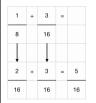


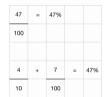
784585							
? 345167							

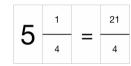
		Th	Н	Т	0		t	h	
78	45.85	7	78	14	5		78	15	-
?	3451.67	3	4	5	1		6	7	
		4	3	9	4		1	8	
						_			

Fractions

- add and subtract fractions with the same denominator and denominators that are multiples of the same number.
- read and write decimal numbers as fractions [for example, 0.71 = 71]
- recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal





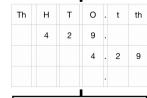


Multiplication

- identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
- multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
- multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

Th	Н	Т	0	
2	7	9	5	х
			3	
8	3	8	5	
2	2	1		

HTh	TTh	Th	н	Т	0		
		2	7	9	5	x	
				4	3		
		28	23	,8	5	+	(2795 x 3)
1	₃ 1	₃ 1	28	0	0		(2795 x 40)
1	2	0	1	8	5		
	1	1					



 $429 \div 100 = 4.29$ $4.29 \times 100 = 429$

Division

- multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
- multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

	1	4	2	8	r1
3	4	1 2	8	2 5	

Language

Thousands
Hundreds
Tens
Ones
Decimal
Tenths
Hundredths
Thousandths
Powers/
Indices
Squared
Factors
Prime
Composite
Remainders

Metric
Imperial
Volume
Exchange
Place holder
Multiplier
Integer
Digit
Multiples
More/less
Negative
Compare
Round
Roman
numerals

Estimation
Column/ar
Operations
Scaling
Commutative
Distributive
Equivalent
Convert
Money
Analogue
Digital
Discrete
Continuous
Translations