

Year 4 Calculation Expectations

2x 3x 4x 5x 6x 7x 8x 9x 10x 11x 12x

Calculation check

Addition

- Add up to 4 digits using the column method
- Estimate and use inverse operations
- Solve problems

Th	H	T	O	
4	2	7	5	+
1	8	3	6	
6	1	1	1	
1	1	1		

6111	
4275	1835

T	O	.	t	h	
6	9	.	1	4	+
1	8	.	3	6	
8	7	.	5	0	
1			1		

87.50	
69.14	18.36

Subtraction

- Subtract up to 4 digits using the column method
- Estimate and use inverse operations
- Solve problems

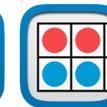
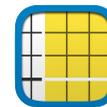
Th	H	T	O	
5	8	10	11	-
1	8	3	6	
4	2	7	5	

6111	
?	1835

T	O	.	t	h	
7	8	.	17	4	10
1	8	.	3	6	
6	9	.	1	4	

87.50	
?	18.36

Resources



Multiplication

- Recognise and use factor pairs and commutativity in mental calculations.
- Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.
- Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

H	T	O	
2	1	7	x
		7	
1	5	1	9
1	1	4	

H	T	O	
	9	3	x
		4	
3	7	2	
3	1		

$$39 \times 7 = 30 \times 7 + 9 \times 7$$

$$(2 \times 3) \times 4 = 2 \times (3 \times 4)$$

$$2 \times 6 \times 5 = 10 \times 6$$

Division

- recall division facts for multiplication tables up to 12×12
- use place value, known and derived facts to divide mentally, including: dividing by 1

Language

Thousands
Hundreds
Tens
Ones
Decimal
Tenths
Hundredths
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