

# Year 6

## Addition

I can recognise when to use a mental or written method to add.

I can add integers using column addition.

I can add decimal numbers with up to 3dp e.g. amounts of money and measures.

E.g.

	Th	H	T	O	.	1/10	1/100
	3	6	8	2	.	4	7
+	4	9	1	4	.	7	2
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	8	5	9	7	.	1	9

## Multiplication

I can recognise when to use a mental or written method to multiply.

I can multiply 4/5 digit numbers by a 1 digit number.

I can multiply a 2 digit number by a 2 digit number.

I can multiply decimal numbers using long multiplication.

E.g.

	3	5	.	6
x	8	.	4	
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	1	4	2	4
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	2	8	4	8
	2	9	9	.0
	2	9	9	.0



## Fractions

I know how to simplify and find equivalent fractions.

E.g.  $\frac{2}{3}$  is equivalent to  $\frac{4}{6}$ ,  $\frac{6}{9}$ ,  $\frac{10}{15}$

$\frac{12}{20}$  simplified =  $\frac{3}{5}$

I can add and subtract fractions with different denominators and mixed numbers.

E.g.  $\frac{1}{2} + \frac{1}{4} = \frac{2}{4} + \frac{1}{4} = \frac{3}{4}$       $\frac{1}{2} - \frac{1}{4} = \frac{2}{4} - \frac{1}{4} = \frac{1}{4}$

I can multiply simple pairs of proper fractions, writing the answer in its simplest form.

E.g.  $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$       $\frac{2}{3} \times \frac{3}{5} = \frac{6}{15}$

I can divide fractions by whole numbers.

E.g.  $\frac{1}{2} \div 3 = \frac{1}{2} \div \frac{3}{1} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$

I can divide fractions by fractions. (Tip: you flip the second fraction)

E.g.  $\frac{1}{4} \div \frac{3}{5} = \frac{1 \times 5}{4 \times 3} = \frac{5}{12}$

## Division

I can divide, with remainders, using bus stop division.

I am starting to divide numbers with remainders, turning them into decimals.

E.g.

	1	6	8	3	.	7	5
4	6	2	7	3	1	5	.
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I can divide decimal numbers.

	5	4	.	9	5
8	4	3	3	9	.
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## Subtraction

I can recognise when to use a mental or written method to subtract.

I can subtract using column subtraction including exchanging.

I can subtract decimal numbers with up to money and measures.

	Th	H	T	O	.	1/10	1/100
	7	8	1	0	.	1	4
-	5	9	1	4	.	7	3
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	2	6	9	1	.	7	3

E.g.