

Year 5

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

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}
	8	6	0	6	.	1	4
-	5	9	1	4	.	7	3
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	2	6	9	1	.	7	3

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	
<hr/>				
	1	4	2	4
<hr/>				
	2	8	4	8
	2	9	9	0
	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 recognise improper fractions and mixed number fractions and convert between the two.

E.g. $2\frac{1}{4} = \frac{9}{4}$ $\frac{15}{4} = 3\frac{3}{4}$

I can multiply proper fractions and mixed number fractions by whole numbers

E.g. $\frac{1}{5} \times 20 = \frac{1 \times 20}{5 \times 1} = \frac{20}{5} = 4$

And $2\frac{1}{4} \times 3 = 2 \times 3 + \frac{1}{4} \times 3 = 6\frac{3}{4}$

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	7	3	1	5	.	3
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	4	3	9	.	7	6	4

I can divide decimal numbers.

	5	4	.	9	5
8	4	3	9	.	7
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	4	3	9	.	7

E.g.