

# addition and subtraction Year 5

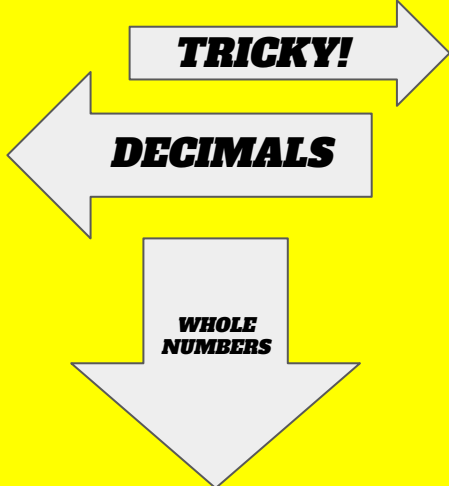
Line up the decimal points...  $528 + 7.49$

$$\begin{array}{r} 528.00 \\ + 7.49 \\ \hline 535.49 \end{array}$$

Just turn that whole number into a decimal!

$3.80 - 1.26$

Stick a zero in there so you can do your borrowing (regrouping)!

$$\begin{array}{r} 3.80 \\ - 1.26 \\ \hline 2.54 \end{array}$$


## Subtracting Across Zero

**Ex #1**

$$\begin{array}{r} 400 \\ - 193 \\ \hline 207 \end{array}$$

**Ex #2**

$$\begin{array}{r} 309 \\ - 268 \\ \hline 41 \end{array}$$

**Ex #3**

$$\begin{array}{r} 330 \\ - 192 \\ \hline 338 \end{array}$$

<p>789 + 642 becomes</p> $\begin{array}{r} 789 \\ + 642 \\ \hline 1431 \\ 11 \end{array}$ <p>Answer: 1431</p>	<p>874 - 523 becomes</p> $\begin{array}{r} 874 \\ - 523 \\ \hline 351 \end{array}$ <p>Answer: 351</p>	<p>932 - 457 becomes</p> $\begin{array}{r} 932 \\ - 457 \\ \hline 475 \end{array}$ <p>Answer: 475</p>
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# **multiplication** **and division** **Year 5**

		2	3	2
x			2	6
<hr/>				
	1	3	9	2
		1	1	
+	4	6	4	0
<hr/>				
	6	0	3	2

x	30	3
10	300	30
4	120	12

INSERT A 0!

$$\begin{array}{r} 300 \\ 30 \\ 120 \\ + 12 \\ \hline = 462 \end{array}$$

$$\begin{array}{r} 481 \\ \times \phantom{00} 4 \\ \hline 1924 \end{array}$$

3

10 000	1000	100	10	1	●	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
					●			

### Multiplying

X 10 digits move LEFT 1 space  
X 100 digits move LEFT 2 spaces  
X 1000 digits move LEFT 3 spaces



### Dividing

÷ 10 digits move RIGHT 1 space  
÷ 100 digits move RIGHT 2 spaces  
÷ 1000 digits move RIGHT 3 spaces



$$78 \div 6 = 13$$

$$\begin{array}{r} 13 \\ 6 \overline{) 78} \\ \underline{6} \phantom{0} \\ 18 \\ \underline{18} \\ 0 \end{array}$$

1 × 6 = 6  
1 remainder left over  
3 × 6 = 18

$$186 \div 6 = 31$$

$$\begin{array}{r} 31 \\ 6 \overline{) 186} \\ \underline{18} \phantom{0} \\ 6 \\ \underline{6} \\ 0 \end{array}$$

no groups of 6 can be made  
3 × 6 = 18  
1 × 6 = 6

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144