



Year 6

Addition

$$\text{addend} + \text{addend} = \text{sum}$$

Column addition

$$\begin{array}{r} 51.890 \\ + 3.128 \\ \hline 55.018 \end{array}$$

55.018 whole	
51.89 part	3.128 part

addend
+ addend
<hr/>
sum
<hr/>

Year 6

Subtraction

$$\text{minuend} - \text{subtrahend} = \text{difference}$$

Column subtraction

$$\begin{array}{r} 6 \quad 1 \quad 1 \\ \cancel{7} . \cancel{2} 3 \\ - 3 . 6 7 \\ \hline 3 . 5 6 \end{array}$$

7.23 whole	
3.67 part	3.56 part

minuend
- subtrahend
<hr/>
difference
<hr/>

Year 6

Multiplication

multiplier  $\times$  multiplicand = product

Short multiplication

$$\begin{array}{r} 1324 \\ \times \quad \quad 6 \\ \hline 7944 \\ \hline 112 \end{array}$$

multiplier
$\times$ multiplicand
<hr/>
product
<hr/>

Long multiplication

$$\begin{array}{r} 1324 \\ \times \quad \quad 26 \\ \hline 7944 \\ \cancel{13240} \\ \hline 26480 \\ \hline 34424 \\ \hline 111 \end{array}$$

$$\begin{array}{r} 3.24 \\ \times \quad \quad 26 \\ \hline 19.44 \\ \cancel{64.80} \\ \hline 64.80 \\ \hline 84.24 \\ \hline 11 \end{array}$$

Year 6

Division

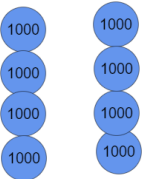

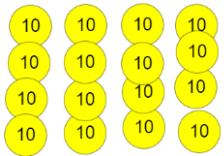
$$\text{dividend} \div \text{divisor} = \text{quotient}$$

$$\text{divisor} \overline{) \begin{array}{l} \text{quotient} \\ \text{dividend} \end{array}} \leftarrow \text{This is the division bracket.}$$

Short division

$$8560 \div 4 =$$

$$4 \overline{) 8560}^{2140}$$

Th	H	T	O
			

$564 \div 5 = 112 \text{ r } 4$ $\begin{array}{r} 1 \quad 1 \quad 2 \quad \text{r}4 \\ 5 \overline{) 5 \quad 6 \quad 4} \end{array}$	$564 \div 5 = 112.8$ $\begin{array}{r} 1 \quad 1 \quad 2 \quad . \quad 8 \\ 5 \overline{) 5 \quad 6 \quad 4 \quad . \quad 0} \end{array}$	$564 \div 5 = 112 \frac{4}{5}$ $\begin{array}{r} 1 \quad 1 \quad 2 \quad \text{r}4 \\ 5 \overline{) 5 \quad 6 \quad 4} \end{array}$
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# Long division

1.

$$\begin{array}{r}
 4 \\
 15 \overline{) 63870} \\
 \underline{- 60} \phantom{0} \\
 38
 \end{array}$$

(4 x 15)

2.

$$\begin{array}{r}
 42 \\
 15 \overline{) 63870} \\
 \underline{- 60} \phantom{0} \\
 38 \\
 \phantom{3} \underline{- 30} \phantom{0} \\
 8
 \end{array}$$

(2 x 15)

3.

$$\begin{array}{r}
 425 \\
 15 \overline{) 63870} \\
 \underline{- 60} \phantom{0} \\
 38 \\
 \phantom{3} \underline{- 30} \phantom{0} \\
 87 \\
 \phantom{8} \underline{- 75} \phantom{0} \\
 12
 \end{array}$$

(5 x 15)

4.

$$\begin{array}{r}
 4258 \\
 15 \overline{) 63870} \\
 \underline{- 60} \phantom{0} \\
 38 \\
 \phantom{3} \underline{- 30} \phantom{0} \\
 87 \\
 \phantom{8} \underline{- 75} \phantom{0} \\
 120 \\
 \phantom{1} \underline{- 120} \phantom{0} \\
 0
 \end{array}$$

(8 x 15)

## Fact Box

$$1 \times 15 = 15$$

$$2 \times 15 = 30$$

$$3 \times 15 = 45$$

$$4 \times 15 = 60$$

$$5 \times 15 = 75$$

$$6 \times 15 = 90$$

$$7 \times 15 = 105$$

$$8 \times 15 = 120$$