

Short division

We can use written or short division to help us divide larger numbers.

For example, $96 \div 4$ becomes:

$$\begin{array}{r} 24 \\ 4 \overline{) 96} \\ \underline{8} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

First divide the 10s: $9 \div 4 = 2$.
Write 2 in the 10s column and write the left-over 1 in the 1s column.
Then divide the 1s: $16 \div 4 = 4$.
Write 4 in the 1s column.

Answer = 24

1. Work out the 10s first, followed by the 1s.

<p>a. $84 \div 4$</p> $4 \overline{) 84}$	<p>b. $75 \div 5$</p>
<p>c. $64 \div 2$</p>	<p>d. $45 \div 3$</p>
<p>e. $96 \div 4$</p>	<p>f. $85 \div 5$</p>
<p>g. $57 \div 3$</p>	<p>h. $72 \div 2$</p>

2. Use written division to help you answer these problems.

Two boys have a total of 86p. How much do they each have?

Answer =

The total length around a square is 72cm. What is the length of each side?

Answer =

Five tickets to the pantomime cost £65. How much is one ticket?

Answer =

There are 96 sweets for 8 children. How many will they each get?

Answer =

A nursery has some tricycles. There are 75 wheels altogether. How many tricycles are there?

Answer =