

Multiplication and division

Short division

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

For example, $96 \div 4$ becomes:

$$\begin{array}{r} 24 \\ 4 \overline{) 96} \end{array}$$

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.

a. $84 \div 4$

$$\begin{array}{r} \\ 4 \overline{) 84} \end{array}$$

b. $75 \div 5$

$$\begin{array}{r} \\ \overline{) 75} \end{array}$$

c. $64 \div 2$

$$\begin{array}{r} \\ \overline{) 64} \end{array}$$

d. $45 \div 3$

$$\begin{array}{r} \\ \overline{) 45} \end{array}$$

e. $96 \div 4$

$$\begin{array}{r} \\ \overline{) 96} \end{array}$$

f. $85 \div 5$

$$\begin{array}{r} \\ \overline{) 85} \end{array}$$

g. $57 \div 3$

$$\begin{array}{r} \\ \overline{) 57} \end{array}$$

h. $72 \div 2$

$$\begin{array}{r} \\ \overline{) 72} \end{array}$$

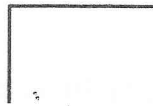
2. Use written division to help you answer these problems.

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 =