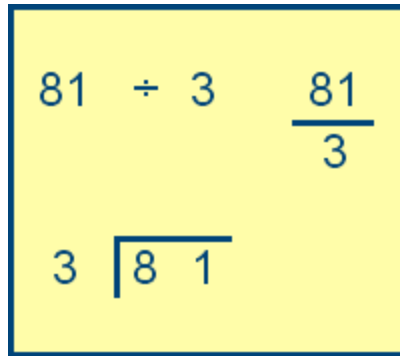


## Mental division tips

A division calculation can be shown in several different ways.

Three ways are shown here:



The image shows three different ways to write the division calculation  $81 \div 3 = 27$  inside a yellow box with a blue border. The first way is  $81 \div 3$ . The second way is a fraction:  $\frac{81}{3}$ . The third way is a long division format:  $3 \overline{)81}$ .

Do you know any other ways of writing division calculations?

### Estimating

When you're dividing numbers it's a good idea to **estimate** a rough answer first. Your estimate can then be checked against your actual answer.

$92 \div 3$  is approximately  
 $90 \div 3$ , which is **30**.

$143 \div 7$  is approximately  
 $140 \div 7$ , which is **20**.

$994 \div 5$  is approximately  
 $1,000 \div 5$ , which is **200**.

### Checking by multiplying

Multiplication and division are **inverses** (opposites). Division sums can be checked by multiplying, like this:

$81 \div 3 = 27$   
 $27 \times 3 = 81$

### Jotting it down

You don't **have** to do all 'mental methods' in your head. It can sometimes really help to jot down some figures in order to make this kind of calculation **easier**.