
$a \div b$ means the same as $\frac{a}{b}$ which is the same as $b \overline{) a}$
Notice that the numerator goes underneath the division sign: $\frac{a}{b}=\boldsymbol{b} \bar{a}$
In other words, the numerator is tucked in underneath


## $5472 \div 3$

## We now work left to right

Step 1: How many times does the number fit into each
digit (each colour)
Step 2: Do the calculation to see what the result is
Step 3: Carry the remainder

## $2274 \div 6$

## We now work left to right

Step 1: How many times does the number fit into each digit (each colour)

Step 2: Do the calculation to see what the result is
Step 3: Carry the remainder

What happens if the number doesn't fit in exactly? We have 2 options.

## $6281 \div 8$

## Option 1

We write the remainder at the end


785 r 1

## Option 2

We put a decimal at the end and carry on by putting zeros for as long as we need (we stop either when the number stops or when we reach our desired accuracy)


### 785.125

Don't worry if you don't understand this, see my decimal basic techniques for this explained in detail

## Option 1

We make the numbers smaller and more manageable (if possible). How we we do this:
$a \div b$ means the same thing as $\frac{a}{b}$ so we are just simplifying a fraction first and then dividing


$$
2784 \div 32=\frac{2784}{32}=\frac{1392}{16}=\frac{696}{8}=\frac{348}{4}=\frac{174}{2}
$$



87

## Option 2

Divide as normal


It is harder to see how many times 32 fits into 278, but it is still doable

