

# Find the GCF and LCM of 30 and 18

	30	18

Try dividing out the same number from both numbers. Try, in order, 2, 5, 3 and 7.

So in the next slide, start and divide first by 2



# Find the GCF and LCM of 30 and 18

Divide by 2



2	<b>30</b>	<b>18</b>
	15	9

$$30 / 2 = 15$$

$$18 / 2 = 9$$

# Find the GCF and LCM of 30 and 18

Now try 3.

Divide it out of now 15 and 9.



2	<b>30</b>	<b>18</b>
3	15	9
	5	3

# Find the GCF and LCM of 30 and 18

2	<b>30</b>	<b>18</b>
3	15	9
	5	3

Nothing else goes into  
both 5 and 3



The GCF of 30 and 18 is 6.

2	<b>30</b>	<b>18</b>
3	15	9
	5	3

GCF is the numbers on the left (shaded)  $2 * 3 = 6$

The LCM of 30 and 18 is 90.

2	30	18
3	15	9
	5	3

LCM is the numbers in “L” shape (shaded)  $2*3*5*3 = 90$