Long Division

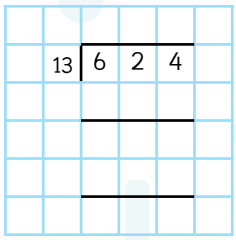
The layout of the long division method:

Calculate 624 ÷ 13

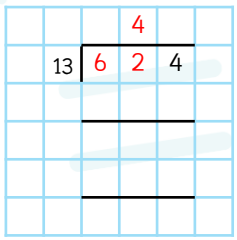
1. List your multiples on a number track:

13	26	39	52	65	78	91	104

2. Write the dividend and divisor.

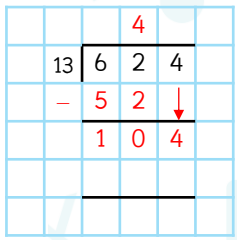


3. How many groups of 13 tens are there if we have 62 tens?



There are 4 groups of 13 tens, because 52 is the multiple before 62.

4. Now subtract the 52 tens from 62 tens.

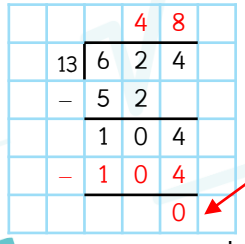


We can bring down the 4 ones to make 104 ones.

5. How many groups of 13 ones are there if we have 104 ones?

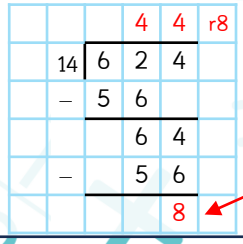
There are 8 groups of 13 ones, because 8 groups of 13 is 104.

6. Now subtract the 104 ones from 104 ones.



The answer is 48. There are no remainders.

What about remainders?



If we have a remainder, this number will be greater than 0, as in this example.

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