

Factors

The factors of a number are all the numbers that divide into it.

The rules:

1. Put number 1 at the beginning of the line and the number you are finding the factors for at the end of the line (you may need plenty of space) e.g. 60

1 60

2. These numbers are a pair $1 \times 60 = 60$. Now you need to find the other pairs so check the next number and if it's a factor add it to the line

1, 2 30, 60
1, 2, 3 20, 30, 60
1, 2, 3, 4 15, 20, 30, 60

3. Continue adding pairs even if you skip a number because it doesn't divide

1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60

4. Stop when a number is repeated

7, 8 and 9 will not accurately divide into 60 so we skip those and move onto number 10. This already appears in the list so we stop.

1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60

5. We have now found all the factors of 60:

1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60