

Multiple

A multiple is a number that is the product of a given number and some other number.

$$6 \times 3 = \textcircled{18}$$

↙
multiple

How To Find the Multiples of a Given Number

Find the multiples of 3:

Think

$$\begin{aligned} 3 \times 1 &= 3 \\ 3 \times 2 &= 6 \\ 3 \times 3 &= 9 \\ 3 \times 4 &= 12 \end{aligned}$$

Answer:
3, 6, 9, 12
are all
multiples of 3.

You can also count by 3 to find multiples: 3, 6, 9, 12, 15, 18.

Factor

A factor is a number that is multiplied with another number to get a product.

$$\textcircled{6} \times \textcircled{3} = 18$$

↙ ↘
factor factor

How To Find the Factors of a Given Number

Find the factors of 20:

Think Which numbers can be multiplied together to get a product of 20?

$$\begin{aligned} 1 \times 20 &= 20 \\ 2 \times 10 &= 20 \\ 4 \times 5 &= 20 \end{aligned}$$

Answer:
1, 2, 4, 5, 10, 20
are all factors
of 20.

You can also think what numbers divide evenly into 20 to find the factors.