

KIRF Target 31 - I can identify common factors of a pair of numbers.

The factors of a number are all numbers which divide it with no remainder e.g. the factors of 24 are 1, 2, 3, 4, 6, 8, 12, and 24. The factors of 56 are 1, 2, 4, 7, 8, 14, 28 and 56.

The common factors of two numbers are the factors they share e.g. the common factors of 24 and 56 are 1, 2, 4 and 8.

The greatest common factor of 24 and 56 is 8.

Common Factors

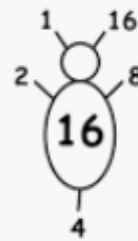
Factors of 48

1	2	3	4	6	8	12	16	24	48
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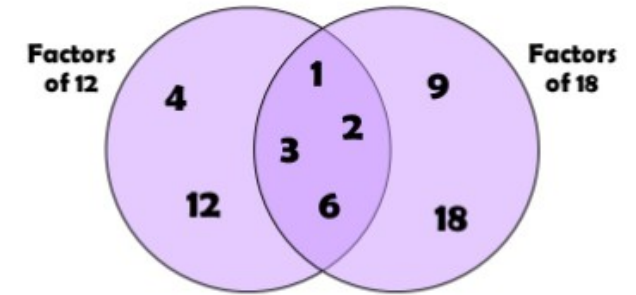
Factors of 30

1	2	3	5	6	10	15	30
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Common factors: 1, 2, 3, 6



The number 16 has 5 factors.
16 is a square number.
 $4^2 = 16$



How can my parents help at home?

When learning key recall facts it is important to do so little but often. Try giving your children two numbers and ask them to list its factors. Ask them which one is the HCF of the two numbers.

There will be activities related to this key fact uploaded onto the Maths page on the school website. These will include worksheets and websites. Try doing some of these at home.

Vocabulary

12 is a **factor** of 36.

4 is a **common factor** of 12 and 16.

25 is a **multiple** of 5.

8 is the **highest common factor** of 16 and 24.

17 is a **prime number**.