



Key Instant Recall Facts (KIRFS) - I can find factor pairs of a number

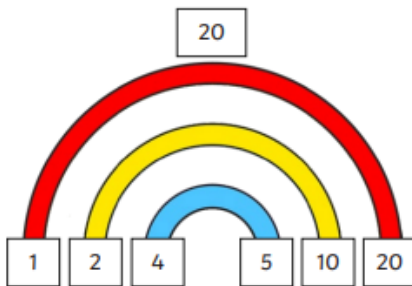
Year 5 Spring 1

Vocabulary

Factor	A number that divides into another number exactly and without leaving a re-
Multiple	The product of one number being multiplied by another number e.g. $3 \times 2 = 6$ (6 is a multiple of 3 and 2).
Common Factor	Common factors is a number that can be divided into two different numbers, without leaving a remainder. E.g. 2 is a common factor of 4 and 6.
Prime Number	A number that is only divisible by 1 and itself (it only has two factors). E.g. 7.

The factors of a number are all numbers which divide into 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.

Children should now know all multiplication and division facts up to 12×12 . When given a number in one of these times tables, they should be able to state a factor pair which multiply to make this number.



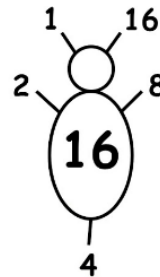
The factors of 20 are 1, 2, 4, 5, 10 and 20.

The factor pairs are:

- 1 and 20
- 2 and 10
- 4 and 5



In class, we draw factor bugs (like the one below) to check that we have all of the factors of a number. See if your child can explain the one below to you and then draw their own bug for a different number.



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 a number and ask them to list its factors.

Factors and Multiples game:

[Factors and Multiples Game \(maths.org\)](http://maths.org)

[Factor Trees \(transum.org\)](http://transum.org)