04.12.20

Lo: To identify factors

Success Steps

Know that a factor is a whole number that multiplies by another number to make a product.

Know that most numbers have an even number of factors; however, a square number has an odd number of factors.

Know that a prime number has only two factors - the number itself and 1.

Use my knowledge of times tables.

Find factor pairs.

Aug 28-19:31

Starter

Count in 3s, 6s and 9s forwards and backwards.

3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36

6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72

9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99, 108

What do you notice?

Aug 28-19:31

What is a factor?

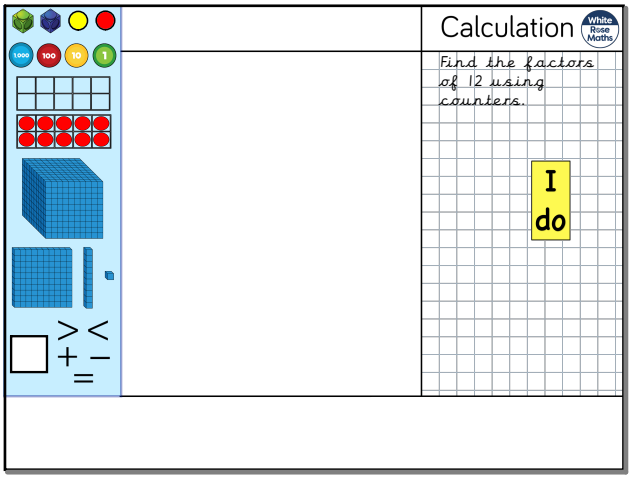
How can we find the factor of a number?

What can we use to help?

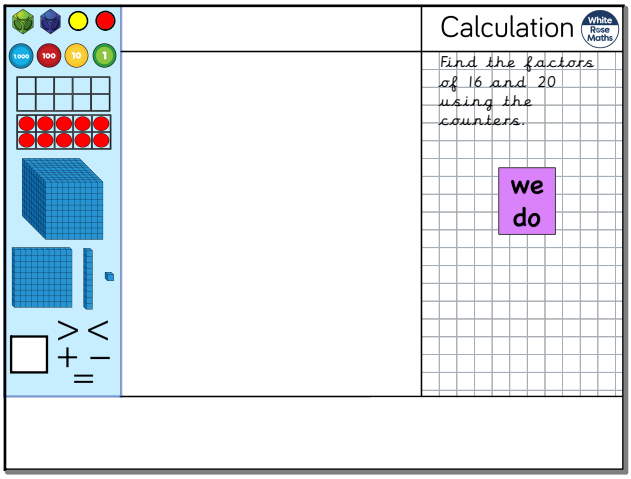
A factor is a whole number that multiplies by another number to make a product.

https://www.bbc.co.uk/bitesize/topics/z6j2tfr/articles/zv9sv9q#:~:text=A%20factor%20is%20a%20number,the%20number%20itself%20and%201.

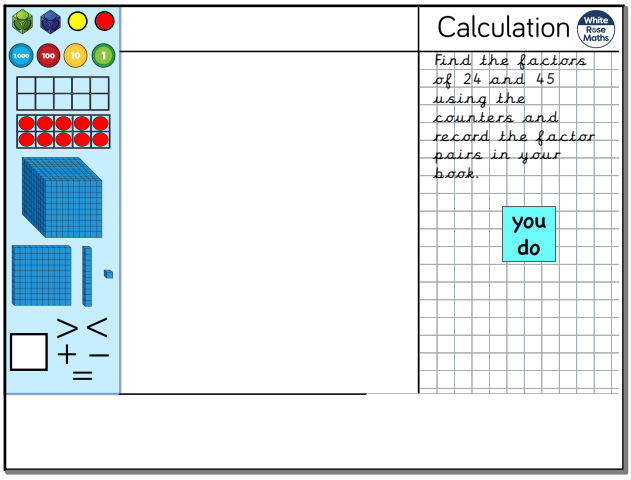
Nov 23-11:49



Jul 10-11:19 am



Jul 10-11:19 am



Jul 10-11:19 am

https://www.youtube.com/watch?v=PxztZliACUU

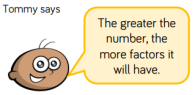
Nov 23-14:13

Find factor pairs for the following numbers and record them on your factor bugs

21, 36, 42, 49

Nov 23-11:49

Tommy says



Is Tommy correct?

Use arrays to explain your answer.

Some numbers are equal to the sum of all their factors (not including the number itself).
e.g. 6
6 has 4 factors, 1, 2, 3 and 6
Add up all the factors not including 6 itself.
1 + 2 + 3 = 6
6 is equal to the sum of its factors (not including the number itself)

How many other numbers can you find that are equal to the sum of their factors?
Which numbers are less than the sum of their factors?
Which numbers are greater than the sum of their factors?

Nov 23-15:05