Stops Year 5, Calculation + - x /

Skill: To identify multiples and factors including finding all factor pairs of a number and common factors of two numbers

Try it!

1. Write down:

- The first six multiples of 7
- All the factors of 24
- A common factor of 18 and 36

2. Fill in the missing numbers:

8 is a multiple of 2 and a factor of __

__ is a multiple of 5 and a factor of __

6 is a multiple of 3 and a factor of __

__ is a multiple of __ and a factor of __

3. Write 3 factors of 30 that are not multiples of 15.

Factors are what we can multiply to get the number.
Multiples are what we get after multiplying the number by an integer (not a fraction).

Apply it!

1. Which of these equations is equivalent to 25 x 7:

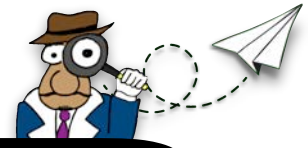
5 x 5 x 7
5 x 7 x 5
5 + 5 x 7
5 x 5 + 4+ 3

2. Use factors to write an equivalent multiplication for:

a) 3 x 270
b) 5 x 150
c) 6 x 120

3. Aisha thinks of a number. She says "My number is a multiple of 3. It is also 3 less than a multiple of 5. Find three different numbers that Aisha could be thinking of.

Fly with it!



1. Explain why 6 is a common factor of 18 and 24.

2. Fill in the missing whole numbers in this equation. Each number is less than 10.

__ x __ x __ = 105

3. Josh says "Factors come in pairs, so all numbers have an even number of factors."

Is Josh right? Prove it!

4. What is my number?
- My number is between 1 and 30
- My number is divisible by 3
- My number is a factor of 45
- It is an odd number
- My number has 2 digits.