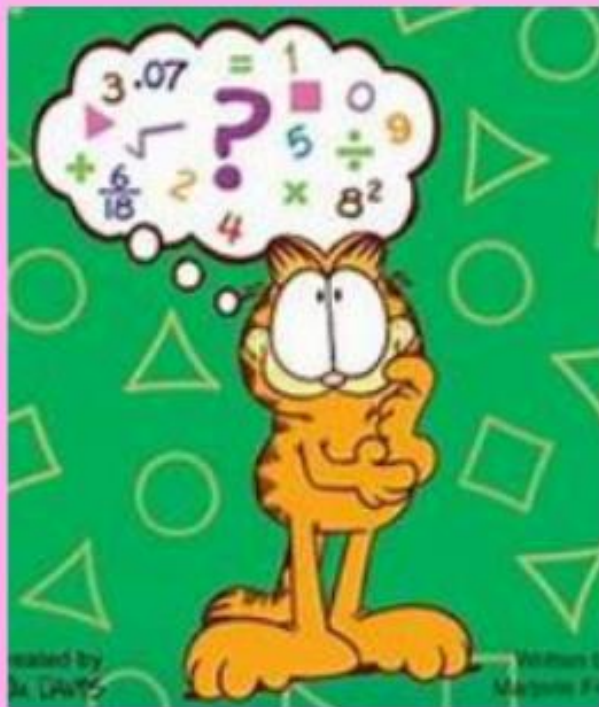


22.02.21

LO: I can recall multiplication  
and division facts up to  $12 \times 12$ .



# Daily 10

Mental Maths Challenge



3 seconds



Level 6

Multiplication

Mixed Tables: Up to  $\times 12$



Level 6 ▼

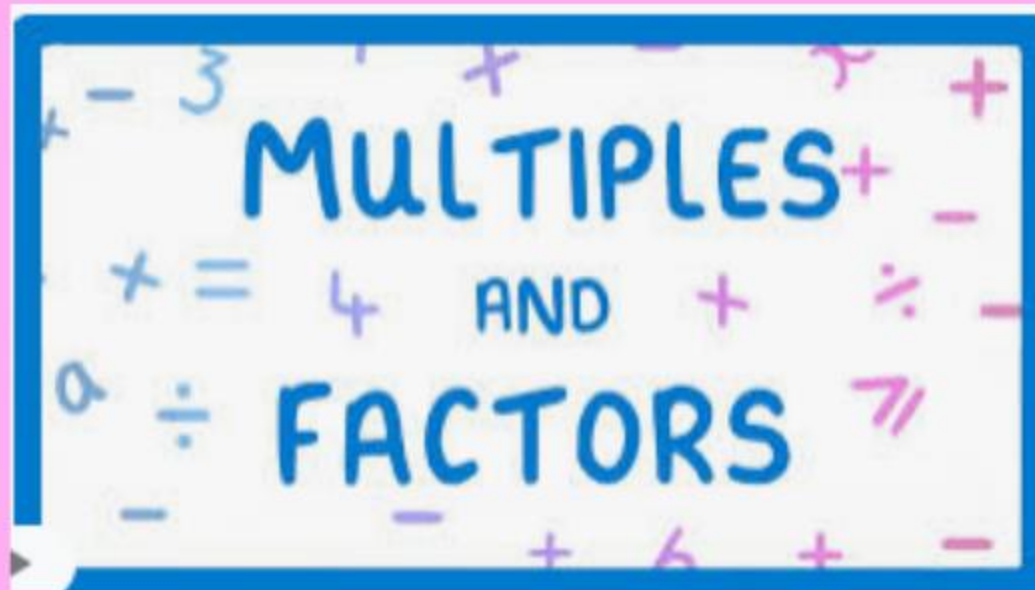
Division ▼

Mixed Tables: Up to  $\div 12$  ▼



22.02.21

LO: I can identify all of the factors for any given number.



# Factors

What are the factors of 10?

Can you find a pair of numbers that multiply together to give 10?



## Factors

A pair of numbers that multiply together to give the target number.

What are the factors of 8



# Factors

A pair of numbers that multiply together to give the target number.

What are the factors of 20



## Factors

Can you find the other half of the pairs that  
multiply together to make 36



## Factors

Factors of 36 = 1,36,2,18,3,12,6,9,4





Can you find all of the factors for the following numbers?

27 -

98 -

164 -

22.02.21

LO: I can identify all of the factors for any given number.



16, 20, 14, 12, 13

Show, using arrays, the factors for these numbers.

Target Your Maths Page 25

Section A 13 – 20

Section B 1 – 16

Find all the factors of the following numbers. The number of factors is shown in brackets.

- |           |           |
|-----------|-----------|
| 13 8 (4)  | 17 15 (4) |
| 14 25 (3) | 18 32 (6) |
| 15 22 (4) | 19 60 (8) |
| 16 18 (6) | 20 36 (9) |

**B**

Find all the factors of:

- |       |         |
|-------|---------|
| 1 98  | 9 90    |
| 2 52  | 10 132  |
| 3 66  | 11 140  |
| 4 63  | 12 108  |
| 5 48  | 13 127  |
| 6 84  | 14 117  |
| 7 102 | 15 124  |
| 8 78  | 16 112. |

# PLENARY.

To find the **factors** of a number, you have to find **all** the pairs of numbers that multiply together to give that number.

The factors of 48 are:

1 and 48

2 and 24

3 and 16

4 and 12

6 and 8

If we leave out the number we started with, 48, and add all the other factors, we get 76:

$$1 + 2 + 3 + 4 + 6 + 8 + 12 + 16 + 24 = 76$$

So .... 48 is called an **abundant** number because it is less than the sum of its factors (without itself). (48 is less than 76.)

See if you can find some more abundant numbers!