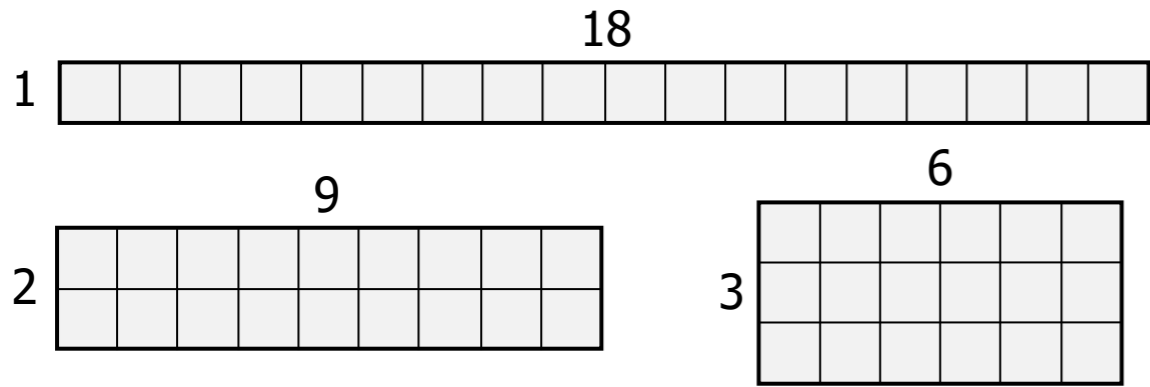
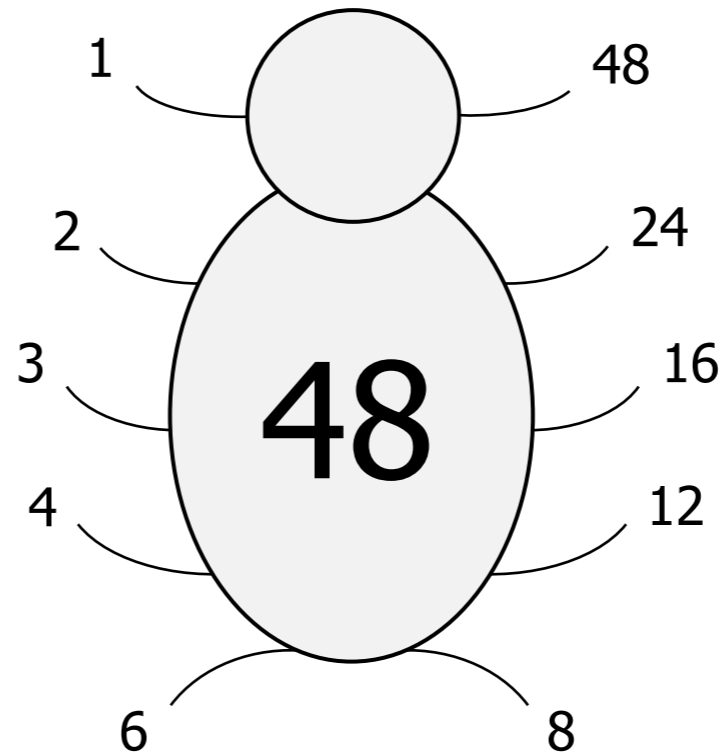


The six factors of 18 ...

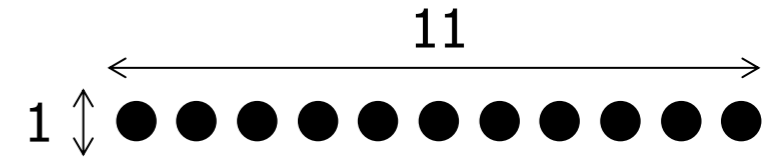


... are 1, 2, 3, 6, 9 and 18

The ten factors of 48



The two factors of 11

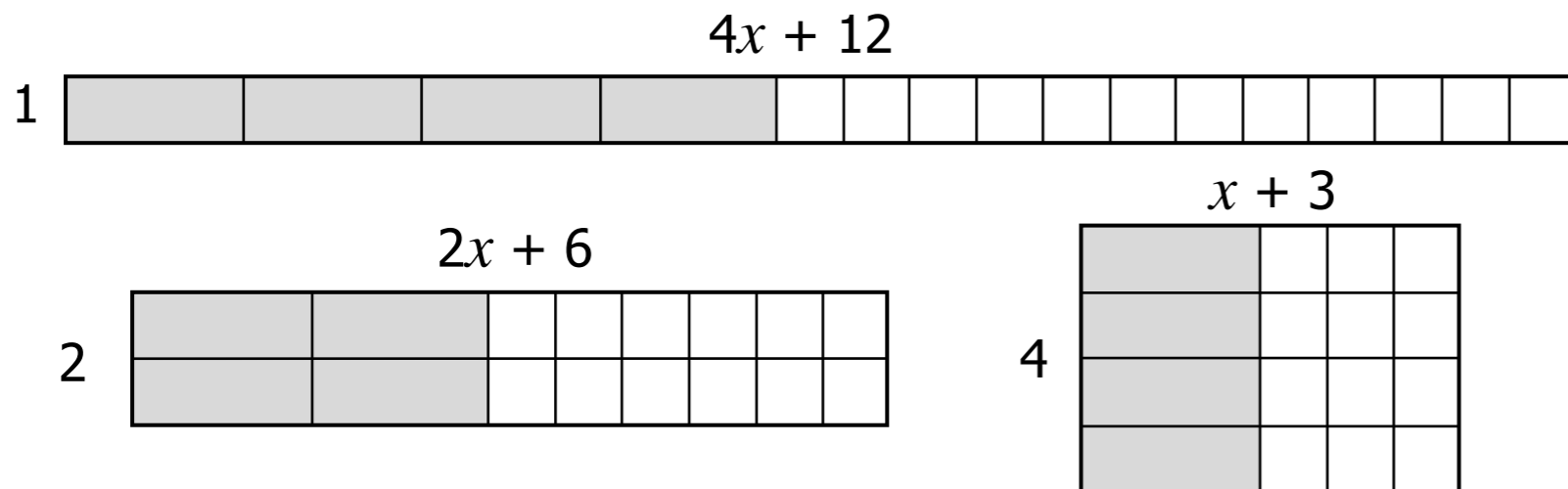


11 is an example of a **prime number**, a number with exactly two factors.

1 is the only number with only one factor

Common factors of 18 and 48:
1, 2, 3 and 6.
Highest common factor = **6**

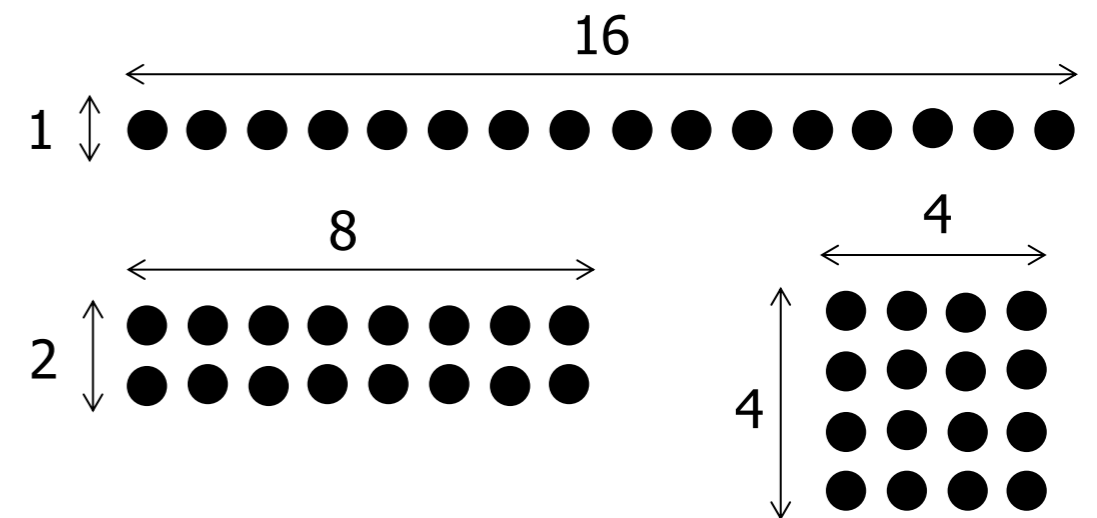
The six factors of $4x + 12$...



... are 1, 2, 4, $(x + 3)$, $(2x + 6)$ and $(4x + 12)$

Square numbers are the only numbers with an odd number of factors

For example, **16**:



(The factor 4 only counts once.)