



How many coins are there?

**$n$  coins**

If we take three away, how many coins are there now?

**$n - 3$  coins**

If we added five to the original pile, how many coins would there be now?

**$n + 5$  coins**





How many coins are there with two piles of  $n$  coins?

**$2 \times n$  coins or  $2n$  coins**

How many coins would there be with two piles and then you took away 7?

**$2n - 7$  coins**



## Solving Algebraic Equations

### Question 1:

$$15 + n = 37$$

How do we find the value of n?

$$n = 37 - 15$$

$$n = 22$$

### Question 3:

$$4b - 5 = 11$$

How do we find the value of b?

$$b = (11 + 5) \div 4$$

$$b = 4$$

### Question 2:

$$3a = 21$$

How do we find the value of a?

$$a = 21 \div 3$$

$$a = 7$$

### Question 4:

There are 32 seats in a row at the cinema. How many seats would there be in 6 rows.

How do we find the number of seats?

$$\text{Seats} = 32 \times 6$$

$$\text{EXT} = n \text{ rows?}$$

