

KS2 Maths: Algebra

[Answers to this test can be found on the separate answers sheet]

1. If $5n = 20$ what does n equal?
2. If $4t + 10 = 18$ what does t equal?
3. If $12b - 3 = 45$ what does b equal?
4. Look at the following function machine:

$$IN \rightarrow \times 4 \rightarrow - 2 \rightarrow OUT$$

For the following *IN* values, work out the correct *OUT* values:

- (a) 3
- (b) 5
- (c) 7
- (d) 10

For the following *OUT* values, work out the correct *IN* values by working backwards:

- (e) 42
- (f) 18
- (g) 46

5. Write down the equation which shows how many sweets are left if you start with 25 sweets and n sweets are then taken away.
6. There are 40 books in a classroom. If n books are taken away, what is the equation which shows how many books are left?