

## Activity:

The aim of this activity is for children to practise substituting into simple expressions to find a particular value. There are three questions to complete. The first two questions allow children to practise the skill, while the third question extends them as they have to problem solve and explain their answer.

## Vocabulary:

**Expressions** are numbers, symbols and operators (+, −, ×, ÷) that are grouped together to show the value of something. For example:  $2y + 6$

An **equation** is a mathematical expression that contains an equals symbol (=). For example:  $y + 6 = 11$

**Substitution** is where letters in an equation are replaced by a value. For example: What is  $y + 6 = 11$  when  $y = 5$ ?

## Supporting resources:

You can watch a video tutorial about substitution on [kids.classroomsecrets.co.uk](https://kids.classroomsecrets.co.uk) >> **Year 6 >> Maths >> Algebra >> Video Tutorials.**

You can watch the answer explanation video which takes children through this activity and ways to answer it on <https://www.youtube.com/user/ClassroomSecretsLtd/playlists> >> **Year 6 Playlist >> Substitution Answer Explanation.**

## Other resources:

If your child enjoyed this activity and wants to try more activities linked to this learning, you can sign up for £4.83 per month on [classroomsecrets.co.uk/membership](https://classroomsecrets.co.uk/membership).

**Check out our daily timetable for Year 6 home learning activities on [kids.classroomsecrets.co.uk](https://kids.classroomsecrets.co.uk) >> Home Learning Timetable.**

## Substitution

1.  $A = 11.75$ ;  $B = 4.75$ ;  $C = 8$ ;  $D = 11.75$

2. **A**

3. **A is incorrect because  $2 \times 1.25 = 2.5$  and  $22 - 2.5 = 19.5$  not 18. B is correct because  $3 \times 2.5 = 7.5$  and  $13 + 7.5 = 20.5$  or  $20\frac{1}{2}$ .**