

Activity:

The aim of this activity is for children to practise forming equations. 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:

An **equation** is a mathematical expression that contains an equals symbol (=). Whatever appears on the left of the equals symbol, is equal in value to whatever is on the right. For example: $y + 6 = 11$

Supporting resources:

You can watch a video tutorial about forming equations on [kids.classroomsecrets.co.uk](https://www.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 >> Forming Equations 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://www.classroomsecrets.co.uk/membership).

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

Forming Equations

1.

A. Haz thinks of a number. He divides it by 2. The answer is 20.5.

$$9n - 2 = 20.5$$

B. Jassy thinks of a number. She adds 20.5. Her answer is 22.5.

$$n \div 2 = 20.5$$

C. Po thinks of a number. He multiplies it by 9 and subtracts 2. His answer is 20.5.

$$n + 20.5 = 22.5$$

2. A. $b \div 6 = 5$; B. $s + 6 = 15$; C. $\frac{1}{2}n - 4 = 6$

3. Ellie is incorrect. For her story to match the equation, Ellie should have taken one marble away from each friend, instead of giving them another one.