

Activity:

The aim of this activity is for children to practise multiplying decimals by integers. 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:

A **calculation** is a way to determine an amount. It may involve addition, subtraction, multiplication or division.

Bar models show how numbers can be split into different parts, by splitting them into bars or boxes. Bar models can be used to solve a wide variety of calculations, showing the relationship between the whole model and the parts.

Supporting resources:

You can watch a video tutorial about multiplying decimals by integers on [kids.classroomsecrets.co.uk](https://www.classroomsecrets.co.uk) >> **Year 6** >> **Maths** >> **Decimals** >> **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** >> **Multiply Decimals by Integers 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.classroomsecrets.co.uk) >> Home Learning Timetable.

Multiply Decimals by Integers

1. A. 2; B. 3; C. 1
2. B. 44.622kg
3. Charles is incorrect. The correct order (from heaviest to lightest) should be: Delivery 1, Delivery 3 and Delivery 2. Delivery 1 weighs 79.62kg, Delivery 3 weighs 64.372kg and Delivery 2 weighs 64.18kg.