

Activity:

The aim of this activity is for children to practise dividing 3-digit numbers by a 1-digit number. 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 **remainder** is the number that is left over when dividing. For example $12 \div 5 = 2 \text{ r}2$.

A **place value chart** is used to identify the value of the digits that make up a number. The chart is broken up into columns which represent 'ones', 'tens', 'hundreds', 'thousands', 'ten thousands', and so on. It can also represent decimal numbers such as 'tenths', 'hundredths', 'thousandths', and so on.

> < = are comparison symbols used to represent more than (>), less than (<) and equal to (=).

A **part-whole model** is a concept to show how numbers can be split into different parts. They can be used to represent numbers, as well as a wide variety of calculations. The concept follows the structure $\text{part} + \text{part} = \text{whole}$, but this may change depending on how many parts there are.

Exchanging can occur when completing calculations. It may also be known as 'carrying' or 'borrowing'. In division, an exchange happens when the number in a place value column cannot be divided exactly. For example, if dividing the hundreds gives a remainder of 1 or more hundreds, the remaining hundreds are exchanged for tens. If dividing the tens gives a remainder of 1 or more tens, the remaining tens are exchanged for ones. If there are any ones remaining in this Year 4 worksheet, these are **remainders**.

Supporting resources:

You can watch a video tutorial about dividing 3 digits by 1 digit on kids.classroomsecrets.co.uk >> **Year 4 >> Maths >> Multiplication and Division >> 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 4 Playlist >> Divide 3 Digits by 1 Digit 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.

Check out our daily timetable for Year 4 home learning activities on kids.classroomsecrets.co.uk >> Home Learning Timetable.

Divide 3 Digits by 1 Digit

1. Suzy has a remainder of 8, not 0, because the answer is 102 r8 ($900 \div 9 = 100$ and $26 \div 9 = 2$ r8).
2. $728 \div 6 < 736 \div 6$ because 121 r2 < 122 r4.
3. Navdeep is correct as B is the only answer with the whole number 26. Also accept answers which recognise that C could be the odd one out as it is the only calculation with a remainder of 2, not 3.