

Activity:

The aim of this activity is for children to practise solving problems with more than one step. Children are able to use rounding and estimating to help complete this activity.

Vocabulary:

Multi-step problems are maths problems that have more than one operation. An example may include both an addition and a subtraction.

Estimate is to make a sensible guess at what the answer could be. You usually estimate the answer by rounding the numbers to make the calculation easier. Another word for estimate is **approximate**.

Supporting resources:

You can watch a video tutorial about multi-step problems on [kids.classroomsecrets.co.uk](https://www.kids.classroomsecrets.co.uk) >> **Year 5** >> **Maths** >> **Place Value** >> **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 5 Playlist** >> **Multi-Step Problems 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 5 home learning activities on [kids.classroomsecrets.co.uk](https://www.kids.classroomsecrets.co.uk) >> Home Learning Timetable.

Multi-Step Problems

Emma was delighted when she won £10,000 on the lottery. She decided to go on a shopping spree. On her way out of the last shop, she dropped some receipts.

Below are some receipts that were on the floor, but only two of them are Emma's.

PC Land		
2.3.4.5 HX 23.5.19		
Cashier: Amir		
QTY	DESC	AMT
1	PC	£2,579

Timmy Cook		
4.7.6.5 HX 23.5.19		
Agent: Jules		
QTY	DESC	AMT
1	Cruise	£5,999

Korrays		
1.7.4.9 BD 23.5.19		
Assistant: Helen		
QTY	DESC	AMT
1	T.V.	£4,029

HARGUS		
5.7.2.0 BD 23.5.19		
Sales Clerk: Anders		
QTY	DESC	AMT
1	Washer	£969

What are the possible combinations that she bought, and how much change does she have left over from her £10,000 for each one?

<u>Possible Combination</u>	<u>Amount of change</u>
PC and Cruise $£2,579 + £5,999 = £8,578$	$£10,000 - £8,578 = £1,422$
PC and T.V. $£2,579 + £4,029 = £6,608$	$£10,000 - £6,608 = £3,392$
PC and Washer $£2,579 + £969 = £3,548$	$£10,000 - £3,548 = £6,452$
Cruise and T.V. $£5,999 + £4,029 = £10,028$	-
Cruise and Washer $£5,999 + £969 = £6,968$	$£10,000 - £6,968 = £3,032$
T.V. and Washer $£4,029 + £969 = £4,998$	$£10,000 - £4,998 = £5,002$