Year 5: Week 1, Day 5
Counting up to find change and money differences

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the Learning Reminders. They come from our PowerPoint slides.

2. Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.

3. Finding it tricky? That’s OK... have a go with a grown-up at A Bit Stuck?

4. Have I mastered the topic? A few questions to Check your understanding.
Fold the page to hide the answers!
Learning Reminders

Count up to find change.

A child has been given £100 to make over their bedroom.

If she chose the beanbag, how much would she have left?

£100 - £25.79 = £74.21

On the hops, we must write the pence as p and the pounds as £.

£25.79  £26  £100

21p  £74

What if she chose the CD player instead?

£100 - £48.67 = £51.33

£48.67  £49  £100

33p  £51
Learning Reminders

Count up to find money differences.

Hannah has £25.68 in the bank. Jessie has £52.33. How much more does Hannah need to save to have the same amount as Jessie?

Add the hops:
£24 + £2.33 + 32p = £26.65

So, Hannah needs to save
£52.33 - £25.68 = £26.65
Practice Sheet for All
Finding change

Find the change from £50.
1. £47.89  2. £35.76  3. £37.28  4. £23.17

Find the change from £100.
5. £74.89  6. £84.25  7. £64.38  8. £25.47

Find the total and then the change from £100.
9. £45.23 + £24.68  10. £52.78 + £23.42
11. £36.46 + £27.35  12. £54.29 + £16.47

Challenge
Find the total and then the change from £100:
13. £24.63 + £17.24 + £25.09
14. £34.67 + £28.49 + £18.24
Estimate the answers to these subtractions and write them in the correct column:
£29.25 - £25.99  £74.49 - £69.99  £23.35 - £18.75  £23.75 - £18.25  £42.65 - £38.49  £54.29 - £48.95
Then calculate each answer to check. Draw an arrow to show if a calculation needs to move to another column.

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<thead>
<tr>
<th>&lt;£5</th>
<th>&gt;£5</th>
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**Challenge**
Now write your own two subtractions to go in each column. Each digit must be different in each price.
Estimate the answers to these subtractions and write them in the correct column:

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<td>£72.45</td>
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<td>£72.82</td>
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<td>£56.83</td>
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Then calculate each answer to check. Draw an arrow to show if a calculation needs to move to another column.

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**Challenge**

Now write your own two subtractions to go in each column. Each digit must be different in each price.
Practice Sheets Answers

Finding change (Practice for all)

1. £50 - £47.89 = £2.11
2. £50 - £35.76 = £14.24
3. £50 - £37.28 = £12.72
4. £50 - £23.17 = £26.83
5. £100 - £74.89 = £25.11
6. £100 - £84.25 = £15.75
7. £100 - £64.38 = £35.62
8. £100 - £25.47 = £74.53
9. £45.23 + £24.68 = £69.91
   £100 - £69.91 = £30.09
10. £52.78 + £23.42 = £76.20
    £100 - £76.20 = £23.80
11. £36.46 + £27.35 = £63.81
    £100 - £63.81 = £36.19
12. £54.29 + £16.47 = £70.76
    £100 - £70.76 = £29.94

Challenge

13. £24.63 + £17.24 + £25.09 = £66.96
    £100 - £66.96 = £33.04
14. £34.67 + £28.49 + £18.24 = £81.40
    £100 - £81.40 = £18.60

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Estimating differences (mild)

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Estimating differences (hot)

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<td>£72.45 - £63.79</td>
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<tr>
<td>£94.34 - £72.82</td>
<td>£21.52</td>
<td>£110.34 - £89.79</td>
<td>£20.55</td>
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Things you will need:
• A pencil

What to do:
• Use Frog to help you to work out the change from £50 for as many items as you can!
  Draw a number line jotting starting at the price and ending at £50.
  Think where Frog will hop to on the way. Remember to add up your hops and jumps at the end!
  Phone costs £45.75. The change from £50 is...

  5p  20p  £4

  £45.75  £45.80  £46  £50

Finally, complete the bar models on the next page.

S-t-r-e-t-c-h:
Find the change from £50.

1. £36.85
2. £25.79

Learning outcomes:
• I can use Frog to find the change from £50 (items priced between £40 and £50).
• I am beginning to use Frog to find the change from £50 (items priced less than £40).
### A Bit Stuck?
#### Change challenge

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<th>Item</th>
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<td>Headphones</td>
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<td>Shoes</td>
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<td>Book</td>
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<td>Scooter</td>
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</table>
Check your understanding

Questions

Kyla received £7.29 change from a £20 note. How much did she spend?

Has the shopkeeper given the correct change?
1. Item bought: £13.45
   Paid with: £50
   Change given: £36.55
   This is correct.

2. Item bought: £64.79
   Paid with: £100
   Change given: £45.31
   Incorrect; should be £35.21.

Write the missing digits: £75 - £24.6 = £□□.14

Write two amounts with a difference of £34.76. The larger amount has 23p.

Check your understanding

Answers

Kyla received £7.29 change from a £20 note. How much did she spend? £12.71. This is probably best-found (as many of the answers here) by counting up from the smaller to larger number (Frog).

Has the shopkeeper given the correct change?
1. Item bought: £13.45
   Paid with: £50
   Change given: £36.55
   This is correct.

2. Item bought: £64.79
   Paid with: £100
   Change given: £45.31
   Incorrect; should be £35.21.

Write the missing digits: £75 - £24.86 = £50.14

Write two amounts with a difference of £34.76. The larger amount has 23p. £76.23 and £41.47, £75.23 and £40.47 etc. Choose the starting amount and subtract £34.76 to solve this.