Year 4: Week 2, Day 3
Finding change

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!

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Count up to find change from £5.

If you have £5 to spend and an item costs £2.85, how could you calculate the change?

Draw a line and mark £2.85 on the left and £5 on the right...

Frog knows that 85 + 15 = 100 so he jumps 15p to £3...

... and then £2 to £5.

So you would get £2.15 change from £5.
Learning Reminders

Count up to find change from £10.

This time you have £10 and the item costs £5.48.

Draw a line and mark £5.48 on the left and £10 on the right...

Frog’s ready to go!

How far to the next pound?

How much more to £10?

How much change this time?

£5.48 £6 £4 £10

52p
Find the change from £5 for each of these six prices.

Challenge
I spend £2.42. Do I have enough money left to buy a notebook?
Practice Sheet Hot
Finding change

Find the change from £10 for each of these six prices.

Challenge
I use a £20 note and buy an item for £10.13. My change is £9.87 which has consecutive digits 9, 8, 7. Can you find other prices where my change from £20 would be a number with consecutive digits?
Practice Sheet Answers

**Finding change (mild)**
- Colouring pencils: £5.00 - £3.79 = £1.21
- Pad of paper: £5.00 - £2.68 = £2.32
- Ticket 1: £5.00 - £2.85 = £2.15
- Ticket 2: £5.00 - £3.39 = £1.61
- Ticket 3: £5.00 - £1.78 = £3.22
- Ticket 4: £5.00 - £2.22 = £2.78

**Finding change (hot)**
- Paint set: £10.00 - £7.79 = £2.21
- Brushes: £10.00 - £5.85 = £4.15
- Ticket 1: £10.00 - £6.69 = £3.31
- Ticket 2: £10.00 - £8.29 = £1.71
- Ticket 3: £10.00 - £7.56 = £2.44
- Ticket 4: £10.00 - £5.34 = £4.66

**Challenge**

No. Spending £2.42 only leaves you £2.58, which is not enough for a notebook that costs £2.68.

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**TARGET**

£20 - £18.77 = £1.23
£20 - £17.66 = £2.34
£20 - £16.55 = £3.45
£20 - £15.44 = £4.56
£20 - £14.33 = £5.67
£20 - £13.22 = £6.78
£20 - £12.11 = £7.89
£20 - £16.79 = £3.21
£20 - £15.68 = £4.32
£20 - £14.57 = £5.43
£20 - £13.46 = £6.54
£20 - £12.35 = £7.65
£20 - £11.24 = £8.76
£20 - £10.13 = £9.87
£20 - £7.66 = £12.34
£20 - £17.90 = £2.10
Work in pairs

Things you will need:
• A pencil

What to do:

• Take it in turns to choose a hat or a beanie from the web page.
• Use Frog to find the change from £5.
• How many hats can you buy before you run out of time?

\[
\begin{align*}
1p & \quad 50p \\
£4.49 & \quad £4.50 & \quad £5 \\
£5 - £4.49 &= \\
\end{align*}
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S-t-r-e-t-c-h:
Choose two hats and find the change from £10.

Learning outcomes:
• I can use Frog to find the change from £5 (answers less than £1).
• I am beginning to use Frog to find the change from £10.
Winter hats

Wrap up and keep warm this winter with our latest range of winter hats.

Red pom-pom beanie
£4.49
Add to basket

Orange plain knit beanie
£4.85
Add to basket

Khkai Aran knit beanie
£4.63
Add to basket

Purple zig-zag striped beanie
£4.75
Add to basket

Techno pattern double pom-pom beanie
£4.25
Add to basket

Grey pom-pom beanie
£4.37
Add to basket

Aztec knit beanie
£4.59
Add to basket

Pale blue fluffy pom-pom beanie
£4.46
Add to basket
Check your understanding

Questions

Tim buys a DVD. Frog finds the change from £10, saying it is £3.46. How much was the DVD?

Complete each diagram.

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Fold here to hide answers

Check your understanding

Answers

Tim buys a DVD. Frog finds the change from £10, saying it is £3.46. How much was the DVD? **£6.54.** Frog jumps 4p, 50p and £6 from £3.46 – some may be able to use complements to 100 and combine the first 2 jumps.

Complete each diagram.

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