

Day 1

WEEK 3

Week 3 – Day 1



A

Alex has £3 and 50p.
She gives £2 and 10p to her sister.
How much money does she have left?



$$£3 - £2 = £___ \quad 50\text{p} - 10\text{p} = ___ \text{p}$$

Alex has £ and p remaining.

B

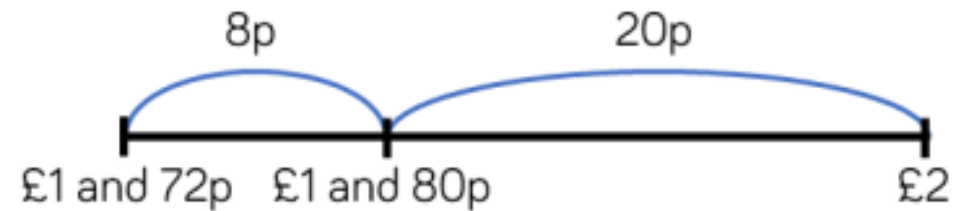
A T-shirt costs £7 and 20p.
In a sale, the T-shirt costs £5 and 40p.



How much has the cost of the T-shirt been reduced by?

C

Tommy has £1 and 72p. Rosie has £2.
How much more money does Rosie have than Tommy?



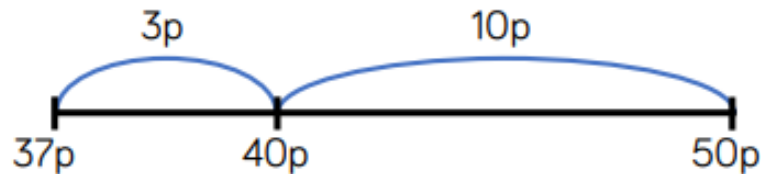
Rosie has p more than Tommy.



Week 3 – Day 1

D

Mo buys a chocolate bar for 37p. He pays with a 50p coin. How much change will he receive?



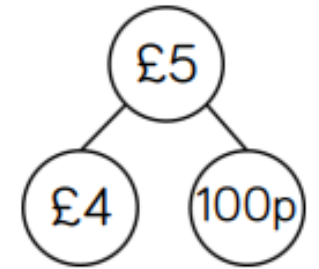
Mo will receive ____ p change.

Use a number line to solve the problems.

- Ron has £1. He buys a lollipop for 55p. How much change will he receive?
- Whitney has £5. She spends £3 and 60p. How much change will she receive?

E

Tommy buys a comic for £3 and 25p.
He pays with a £5 note.
How much change will he receive?
Use the part-whole model to help you.



Use a part-whole model to solve the problem.

- Eva buys a train for £6 and 55p. She pays with a £10 note.
How much change will she receive?



Week 3 – Day 1 - Challenge

Jack has £2 and 90p.

Teddy has three times as much money as Jack.

How much more money does Teddy have than Jack?

Rosie has twice as much money as Teddy.

How much more money does Rosie have than Jack?



Week 3 – Day 1 ... Answers

- A: £1 and 40 p
B: £1.80
C: 28p
D: 13p change
45p
£1.40
- E: £1.75
£3.45

Jack has £2 and 90p.
Teddy has three times as much money as Jack.

How much more money does Teddy have than Jack?

Rosie has twice as much money as Teddy.

How much more money does Rosie have than Jack?

Jack: £2 & 90p
Teddy: £8 & 70p
Rosie: £17 & 40p

Teddy has £5 and 80p more than Jack.

Rosie has £14 and 50p more than Jack.

Use coins to support children in calculating.

Day 2

WEEK 3



Week 3 – Day 2

Children may find it easier to use the expanded method for this step. Otherwise they may be ok with compact method. In today's problems they will not need to regroup.

$$\begin{array}{r} 728 - 582 = 146 \\ \begin{array}{r} \text{h} \quad \text{t} \quad \text{u} \\ \cancel{7} \quad 2 \quad 8 \\ 5 \quad 8 \quad 2 \\ \hline 1 \quad 4 \quad 6 \end{array} \end{array}$$

$$\begin{array}{r} 1) \quad \text{£}4.57 \\ - \text{£}2.35 \\ \hline \text{£} \quad . \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad \text{£}6.74 \\ - \text{£}3.51 \\ \hline \text{£} \quad . \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad \text{£}8.56 \\ - \text{£}1.25 \\ \hline \text{£} \quad . \\ \hline \end{array}$$



Week 3 – Day 2

$$\begin{array}{r} 4) \quad \text{£}5.96 \\ - \text{£}3.34 \\ \hline \text{£} \quad . \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad \text{£}6.78 \\ - \text{£}2.56 \\ \hline \text{£} \quad . \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad \text{£}5.64 \\ - \text{£}4.42 \\ \hline \text{£} \quad . \\ \hline \end{array}$$



Week 3 – Day 2 - Challenge

Three children are calculating £4 and 20p subtract £1 and 50p.

$$\begin{aligned}\text{£}4 - \text{£}1 &= \text{£}2 \\ 20\text{p} - 50\text{p} &= 30\text{p} \\ \text{£}1 + 30\text{p} &= \text{£}1 \text{ and } 30\text{p}\end{aligned}$$



Annie



Teddy



The difference is £2 and 70p.

$$\begin{aligned}\text{£}4 \text{ and } 20\text{p} - \text{£}2 &= \text{£}2 \text{ and } 20\text{p} \\ \text{£}2 \text{ and } 20\text{p} + 50\text{p} &= \text{£}2 \text{ and } 70\text{p}\end{aligned}$$



Eva

Who is correct? Who is incorrect?
Which method do you prefer?



Week 3 – Day 2... Answers

1: £2.22

2: £3.23

3: £7.31

4: £2.62

5: £4.22

6: £1.22

Three children are calculating £4 and 20p subtract £1 and 50p.

$$\begin{aligned}\text{£}4 - \text{£}1 &= \text{£}2 \\ 20\text{p} - 50\text{p} &= 30\text{p} \\ \text{£}1 + 30\text{p} &= \text{£}1 \text{ and } 30\text{p}\end{aligned}$$



Annie



Teddy



The difference is £2 and 70p.

$$\begin{aligned}\text{£}4 \text{ and } 20\text{p} - \text{£}2 &= \text{£}2 \text{ and } 20\text{p} \\ \text{£}2 \text{ and } 20\text{p} + 50\text{p} &= \text{£}2 \text{ and } 70\text{p}\end{aligned}$$



Eva

Who is correct? Who is incorrect?
Which method do you prefer?

Annie's second step of calculation is incorrect. Teddy and Eva both got the correct answer using different methods. Children may choose which method they prefer or discuss pros and cons of each.

Day 3

WEEK 3



Week 3 – Day 3

1

$$\begin{array}{r} \text{£}8.67 \\ - \text{£}2.43 \\ \hline \text{£} \quad . \\ \hline \end{array}$$

2

$$\begin{array}{r} \text{£}8.96 \\ - \text{£}5.35 \\ \hline \text{£} \quad . \\ \hline \end{array}$$

3

$$\begin{array}{r} \text{£}7.84 \\ - \text{£}6.21 \\ \hline \text{£} \quad . \\ \hline \end{array}$$



Week 3 – Day 3

4

$$\begin{array}{r} \text{£}5.49 \\ - \text{£}3.27 \\ \hline \text{£} \quad . \\ \hline \end{array}$$

5

$$\begin{array}{r} \text{£}7.75 \\ - \text{£}4.54 \\ \hline \text{£} \quad . \\ \hline \end{array}$$

6

$$\begin{array}{r} \text{£}7.89 \\ - \text{£}2.67 \\ \hline \text{£} \quad . \\ \hline \end{array}$$



Week 3 – Day 3 - Challenge

Dora spends £7 and 76p on a birthday cake.



She pays with a £10 note.
How much change does she get?

The shopkeeper gives her six coins for
her change.
What coins could they be?



Week 3 – Day 3 - Answers

1: £6.24

2: £3.61

3: £1.63

4. £2.22

5. £3.21

6. £5.22

Dora spends £7 and 76p on a birthday cake.



She pays with a £10 note.
How much change does she get?

The shopkeeper gives her six coins for her change.

What coins could they be?

She receives £2 and 24p change.

There are various answers for which coins it could be, e.g. £1, £1, 10p, 10p, 2p, 2p.

Day 4

WEEK 3



Week 3 – Day 4

1

$$\begin{array}{r} \text{£}5.71 \\ - \text{£}1.27 \\ \hline \text{£} \quad . \\ \hline \end{array}$$

2

$$\begin{array}{r} \text{£}7.53 \\ - \text{£}1.28 \\ \hline \text{£} \quad . \\ \hline \end{array}$$

3

$$\begin{array}{r} \text{£}8.09 \\ - \text{£}3.27 \\ \hline \text{£} \quad . \\ \hline \end{array}$$



Week 3 – Day 4

4

$$\begin{array}{r} \text{£}6.82 \\ - \text{£}2.57 \\ \hline \text{£} \quad . \\ \hline \hline \end{array}$$

5

$$\begin{array}{r} \text{£}5.06 \\ - \text{£}3.25 \\ \hline \text{£} \quad . \\ \hline \hline \end{array}$$

6

$$\begin{array}{r} \text{£}6.48 \\ - \text{£}2.95 \\ \hline \text{£} \quad . \\ \hline \hline \end{array}$$



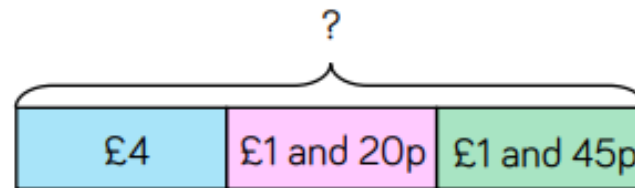
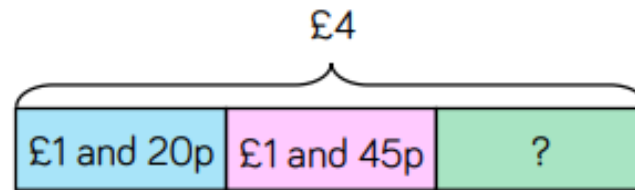
Week 3 – Day 4 Challenge

Amir has £4

He buys a pencil for £1 and 20p and a book for £1 and 45p.

Which bar model represents the question?

Explain how you know.



Use the correct bar model to help you calculate how much change Amir receives.



Week 3 – Day 4 Answers

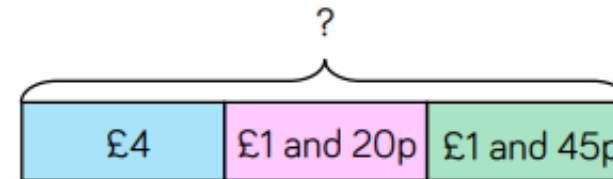
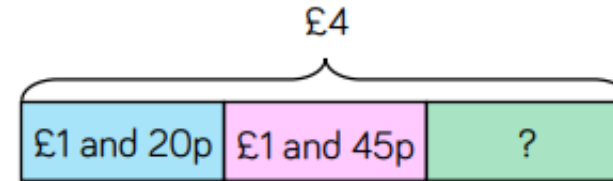
1. £4.44
2. £6.25
3. £4.82
4. £4.25
5. £1.81
6. £3.53

Amir has £4

He buys a pencil for £1 and 20p and a book for £1 and 45p.

Which bar model represents the question?

Explain how you know.



Use the correct bar model to help you calculate how much change Amir receives.

The first bar model is correct as the whole is £4 and we are calculating a part as Amir has spent money. Amir receives £1 and 35p change.

Day 5

WEEK 3



Week 3 – Day 5

A: If Tommy saves £10 a month, how much money will he have saved in a year? Will he have enough money to buy the entire range of the rescue bots, which costs £43.00? Would he have any money left over?



B:

- Halima has 5 coins in her purse.
- How much money might she have?
- What is the most she might have?
- What is the least?
- Explain how you know.





Week 3 – Day 5

C

Maths Mastery - Money

6. Ben bought a balloon.

He gave the shopkeeper six coins to pay for it.

What could Ben have paid for the balloon?

Look at your answers. Which ones are reasonable amounts to pay for a balloon?



D

Maths Mastery - Money

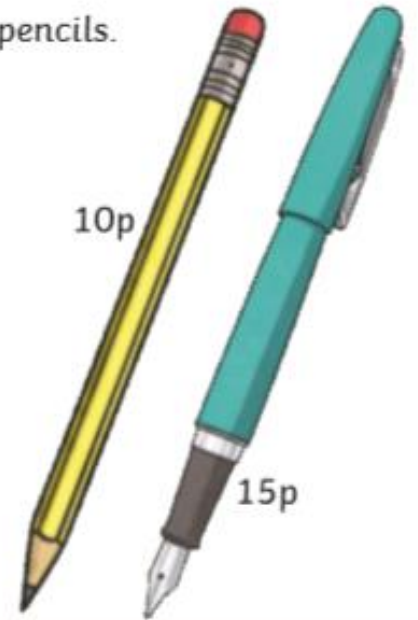
7. Imrik went to buy some pens and pencils.

He had £2.50.

He bought 4 times as many pens as pencils.

He was given 40p change.

How many pens and pencils did he buy?





Week 3 – Day 5

E

Harry Potter goes to Diagon Alley to buy some things for his next year at Hogwarts. He normally buys things using Galleons but I have converted the money to sterling! He buys a quill for £2.50, some parchment for £2.30 and an enchanted spell book which costs £5.75. He pays with a £20 note. How much change does he get?



F

Romulus and Remus both wanted to build a city. They needed to buy stones and other building materials. They each found two separate brick merchants. Romulus bought 50 bricks. He received £5.65 change from his £20 note. How much did the bricks cost to start with?

Remus bought 50 which cost £14.70. How much change will he get from £20.

Who got the best deal on the bricks? Explain how you know.



Week 3 – Day 5 - Challenge

Find the Difference

Use these 4 digits in the four spaces. What are all the possible answers you can find?

2 5 7 8

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<hr/>	
<input type="text"/>	<input type="text"/>
<hr/>	





Week 3 – Day 5 - Answers

A: $12 \times \text{£}10 = \text{£}120$

He could afford it. He would have $\text{£}77$ left over. ($\text{£}120 - 43.00 = \text{£}77$)

B: Any combination of five coins.

The most: $\text{£}10$ (five $\text{£}2$ coins)

The least: 5p (five 1p coins)

C: With 1 pences, 2 pences and 5 pences he could have paid: 11p, 12p, 13p, 14p, 15p, 16p, 17p, 18p, 19, 20p, or 23p.

With 5 pences, 10 pences and 50 pences he could have paid: 80p, 85p, 90p, 95p or $\text{£}1.25$, $\text{£}1.30$, $\text{£}1.35$, $\text{£}1.70$, $\text{£}1.75$, $\text{£}2.15$

D: Pencils = 3

Pens = 12



Week 3 – Day 5 - Answers

E: £10.75 total cost of magical things.
He gets £9.25 change.

F: £20 - £5.65 = £14.35 so Romulus spent £14.35

£20 - 14.70 = £5.30 Remus gets £5.30 change.

Romulus bought the cheapest bricks.

Challenge Answers

$$82 - 75 = 7$$

$$75 - 28 = 47$$

$$85 - 72 = 13$$

$$78 - 25 = 53$$

$$72 - 58 = 14$$

$$85 - 27 = 58$$

$$82 - 57 = 25$$

$$87 - 25 = 62$$

$$78 - 52 = 26$$

$$57 - 28 = 29$$

$$58 - 27 = 31$$

$$87 - 52 = 35$$