Reasoning and Problem Solving
Step 1: Pounds and Pence

Teaching note:

We recommend providing children with money to support this step.

National Curriculum Objectives:

Mathematics Year 3: (3M9a) Add and subtract amounts of money to give change, using both £ and p in practical contexts

Differentiation:

Questions 1, 4 and 7 (Problem Solving)
Developing Identify the coins needed to pay for 2 items separately using up to two coins (up to £10).
Expected Identify the notes and coins needed to pay for 2 items separately using 1 note and two coins (up to £20).
Greater Depth Identify the notes and coins needed to pay for 2 items separately using two notes and three coins (beyond £20).

Questions 2, 5 and 8 (Problem Solving)
Developing Find 2 combinations of the same amount using one note and up to three coins (up to £10).
Expected Find 2 combinations of the same amount using one note and up to five coins (up to £20).
Greater Depth Find 2 combinations of the same amount using up to two notes and up to five coins (beyond £20).

Questions 3, 6 and 9 (Reasoning)
Developing Identify which child has the highest amount and explain why. Includes three notes or coins (up to £10).
Expected Identify which child has the highest amount and explain why. Includes five notes or coins (up to £20).
Greater Depth Identify which child has the highest amount and explain why (beyond £20).

More Year 3 and Year 4 Money resources.

Did you like this resource? Don't forget to review it on our website.

Pounds and Pence

1a. Look at the menu below.

Cup of tea	55p
Hot chocolate	£1 and 5p

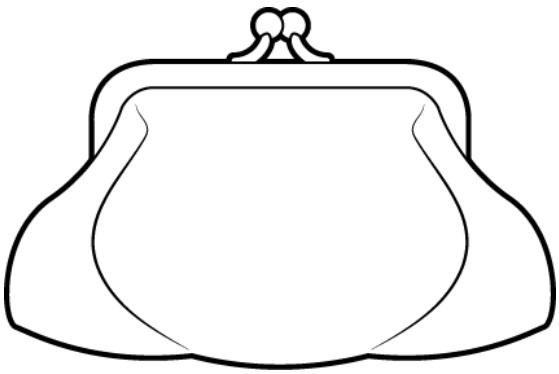
Which 2 coins could you use to buy a cup of tea?

Which 2 coins could you use to buy some hot chocolate?

D

3 PS

2a. Draw £5 and 30p in the purse, using one note and up to three coins.



Find another combination that make this total.

D

3 PS

3a. Which child has the highest total of money? Explain your answer.

Brett

Leah

D

3 R

Pounds and Pence

1b. Look at the menu below.

Crisps	£1 and 10p
Chocolate	70p

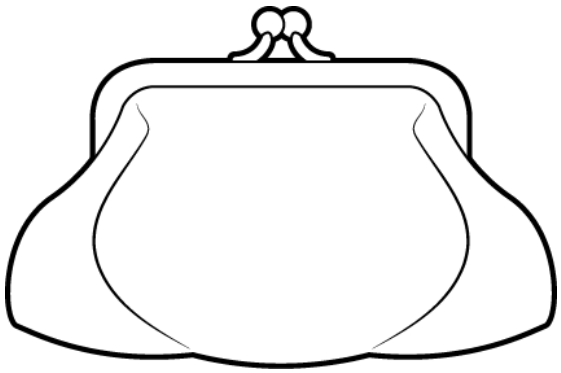
Which 2 coins could you use to buy some crisps?

Which 2 coins could you use to buy chocolate?

D

3 PS

2b. Draw £5 and 60p in the purse, using one note and up to three coins.



Find another combination that make this total.

D

3 PS

3b. Which child has the highest total of money? Explain your answer.

Wesley

Amber

D

3 R

Pounds and Pence

4a. Look at the pricelist below.

Doll	£12 and 20p
Board game	£10 and 70p

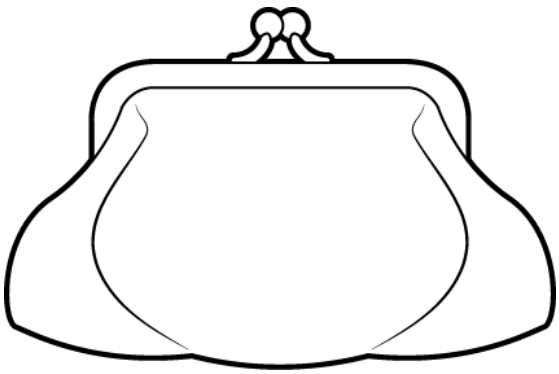
What combination of 1 note and 2 coins could you use to buy a doll?

What combination of 1 note and 2 coins could you use to buy a board game?

E

3 PS

5a. Draw £14 and 50p in the purse, using one note and up to five coins.



Find another combination that make this total.

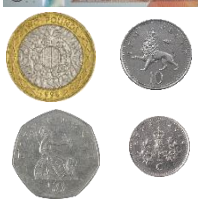
E

3 PS

6a. Which child has the highest total of money? Explain your answer.

Sasha

Ama



E

3 R

Pounds and Pence

4b. Look at the pricelist below.

Jumper	£12 and 50p
Jeans	£10 and 30p

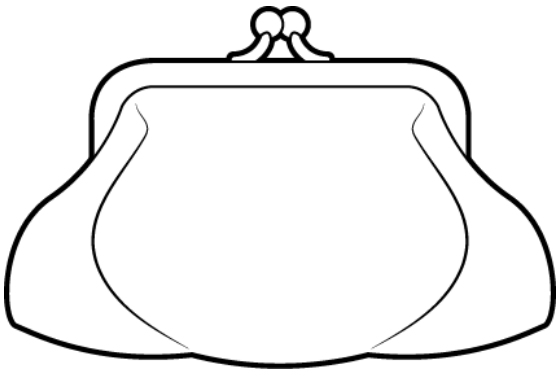
What combination of 1 note and 2 coins could you use to buy a jumper?

What combination of 1 note and 2 coins could you use to buy some jeans?

E

3 PS

5b. Draw £16 and 20p in the purse, using one note and up to five coins.



Find another combination that make this total.

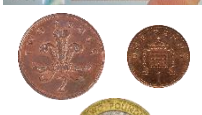
E

3 PS

6b. Which child has the highest total of money? Explain your answer.

Alan

Felix



E

3 R

Pounds and Pence

7a. Look at the pricelist below.

Trousers	£25 and 30p
Trainers	£30 and 60p

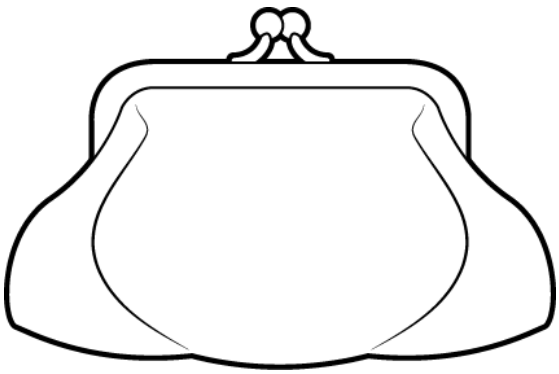
What combination of 2 notes and 3 coins could you use to buy some trousers?

What combination of 2 notes and 3 coins could you use to buy some trainers?

GD

3 PS

8a. Draw £27 and 70p in the purse, using two notes and up to five coins.



Find another combination that make this total.

GD

3 PS

9a. Which child has the highest total of money? Explain your answer.

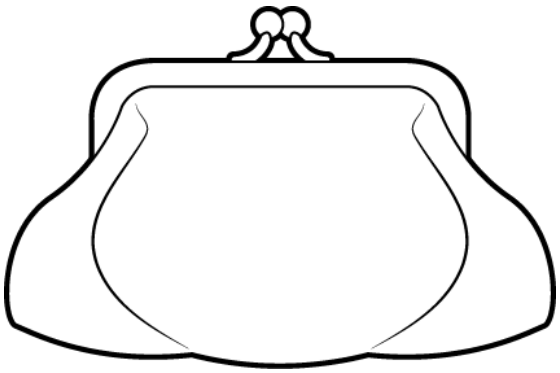
Maria

Neil

GD

3 R

8b. Draw £27 and 35p in the purse, using two notes and up to five coins.



Find another combination that make this total.

GD

3 PS

9b. Which child has the highest total of money? Explain your answer.

Kaleb

Lola

GD

3 R

Reasoning and Problem Solving
Pounds and Pence

Developing

1a. Tea - 50p and 5p, Hot chocolate - £1 and 5p.

2a. Various answers, for example: £5 note, 3 x 10p or £5 note, 20p, 10p.

3a. Brett has the most as he has £2 and 50p and Leah has £2 and 30p.

Expected

4a. Doll - £10, £2 and 20p, Board game - £10, 50p and 20p.

5a. Various answers, for example: £10 note, 2 x £2, 50p or £10 note, 4 x £1, 50p.

6a. Sasha has the most as she has £13 and 20p and Ama has £12 and 65p.

Greater Depth

7a. Trousers - £20, £5, 3 x 10p, Trainers - £20, £10, 3 x 20p.

8a. Various answers, for example: £20 note, £5 note, £2, 50p, 20p or £20 note, £5 note, 2 x £1, 50p, 2 x 10p.

9a. Neil has the most as he has £31 and 5p and Maria has £27 and 70p.

Reasoning and Problem Solving
Pounds and Pence

Developing

1b. Crisps - £1 and 10p, chocolate – 50p and 20p.

2b. Various answers, for example: £5 note, 50p, 10p or £5 note, 3 x 20p.

3b. Amber has the most as she has £9 and Wesley has £5 and 3p.

Expected

4b. Jumper - £10, £2, 50p, Jeans - £10, 20p, 10p

5b. Various answers, for example: £10 note, 3 x £2, 20p or £10 note, 2 x £2, 2 x £1, 20p.

6b. Felix has the most as he has £13 and 25p and Alan has £12 and 3p.

Greater Depth

7b. Necklace - £20, £5, 2 x £2, 50p, Ring - £20, £5, 20p, 10p, 5p.

8b. Various answers, for example: £20 note, £5 note, £2, 20p, 10p, 5p or £20 note, £5 note, 2 x £1, 20p, 10p, 5p.

9b. Lola has the most as she has £27 and 25p and Kaleb has £21 and 3p.