

# Reasoning and Problem Solving

## Step 2: Ordering Money

### National Curriculum Objectives:

Mathematics Year 4: (4M1) [Estimate, compare and calculate different measures, including money in pounds and pence](#)

### Differentiation:

Questions 1, 4 and 7 (Problem Solving)

**Developing** Using one coin, calculate possible amounts more than and less than given amounts of money in £.p.

**Expected** Using one coin, calculate possible amounts more than and less than given amounts of money in £.p, includes some conversions.

**Greater Depth** Using two different coins, calculate possible amounts more than and less than given amounts of money in £.p, includes some conversions.

Questions 2, 5 and 8 (Problem Solving)

**Developing** Use digit cards to make amounts more than or less than a given amount in £.p. 1 missing digit to find.

**Expected** Use digit cards to make amounts more than or less than a given amount in £.p, includes some conversions. 2 missing digits to find.

**Greater Depth** Use digit cards to make amounts more than or less than a given amount in £.p, includes some conversions. 3 missing digits to find.

Questions 3, 6 and 9 (Reasoning)

**Developing** Comparing 2 amounts to establish who has the most. Includes 10p and 50p coins.

**Expected** Comparing 2 amounts to establish who has the most. Includes 20p and 50p coins.

**Greater Depth** Comparing 2 amounts to establish who has the most. Includes 10p and 50p coins and £5 and £10 notes.

More [Year 4 Money](#) resources.

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## Ordering Money

1a. Dean has been saving 10p coins. He has more than £5.80 but less than £6.40.



How much could Dean have?



PS

## Ordering Money

1b. Sam has been saving 10p coins. He has more than £1.50 but less than £2.00.

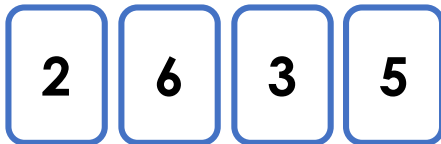


How much could Sam have?



PS

2a. How many ways can you make this statement true? Use the digit cards below.

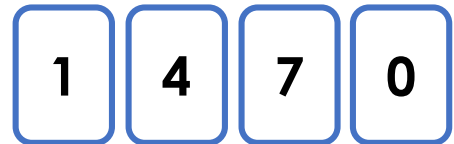


$$£5.68 > \square \cdot 3 \square$$



PS

2b. How many ways can you make this statement true? Use the digit cards below.



$$£1.10 < \square \cdot 7 \square$$



PS

3a. Who has the most money? Explain why.



Luke

I have six 10p coins.

I have two 50p coins.



Holly



R

3b. Who has the most money? Explain why.



Jack

I have four 10p coins.

I have one 50p coin.



Max



R

## Ordering Money

4a. Angela has been saving 50p coins. She has more than 2,350p but less than £28.00.



How much could Angela have?



PS

## Ordering Money

4b. Robert has been saving 50p coins. He has more than £22.50 but less than 2,550p.

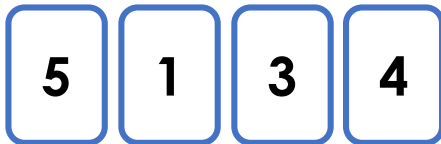


How much could Robert have?



PS

5a. How many ways can you make this statement true? Use the digit cards below.

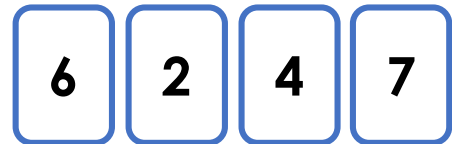


$$5,40p > 4 \cdot \square \square$$



PS

5b. How many ways can you make this statement true? Use the digit cards below.



$$£4.70 < \square \cdot 4 \square$$



PS

6a. Who has the most money? Explain why.



Wayne

I have four 50p coins.

I have five 20p coins.



John



R

6b. Who has the most money? Explain why.



Molly

I have two £2 coins.

I have three £1 coins.



Mandy



R

## Ordering Money

7a. Laura has been saving 50p and 10p coins. She has more than £15.60 but less than £16.20.



How much could Laura have?



PS

## Ordering Money

7b. Callum has been saving 50p and 10p coins. He has more than £25.90 but less than £26.30.

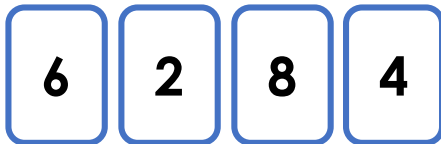


How much could Callum have?



PS

8a. How many ways can you make this statement true? Use the digit cards below.

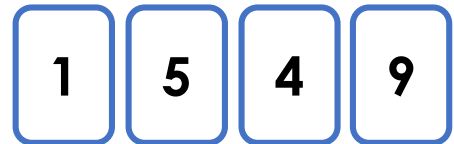


$$£6.48 > \square \cdot \square \square$$



PS

8b. How many ways can you make this statement true? Use the digit cards below.

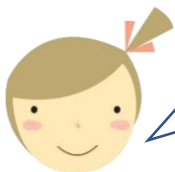


$$£5.49 < \square \cdot \square \square$$



PS

9a. Who has the most money? Explain why.



Sophie

I have one £10 note and one 50p coin.

I have one £10 note and three 20p coins.



Kath



R

9b. Who has the most money? Explain why.



Olly

I have one £5 note and four 50p coins.

I have one £5 note and nine 20p coins.



Annie



R

## Reasoning and Problem Solving Ordering Money

### Developing

- 1a. £5.90, £6.00, £6.10, £6.20 or £6.30  
2a. £2.36, £3.36 or £5.36  
3a. Holly has the most because  $2 \times 50p = 100p$  and  $6 \times 10p = 60p$

### Expected

- 4a. £24.00, £24.50, £25.00, £25.50, £26.00, £26.50, £27.00 or £27.50  
5a. Various possible answers including; £4.13, £4.14, £4.15, £4.31, £4.34, £4.35, £4.41, £4.43, £4.45, £4.51, £4.53, £4.54  
6a. Wayne has the most because  $4 \times 50p = 200p$  and  $5 \times 20p = 100p$

### Greater Depth

- 7a. £15.70, £15.80, £15.90, £16.00 or £16.10  
8a. Various possible answers including; £2.46, £2.48, £2.64, £2.68, £2.84, £2.86, £4.26, £4.28, £4.62, £4.68, £4.82, £4.86, £6.24, £6.26, £6.42  
9a. Kath has the most because  $3 \times 20p = 60p$ , so she has £10.60 which is more than the £10.50 Sophie has.

## Reasoning and Problem Solving Ordering Money

### Developing

- 1b. £1.60, £1.70, £1.80 or £1.90  
2b. £1.70, £4.70 or £7.70  
3b. Max has the most because  $1 \times 50p = 50p$  and  $4 \times 10p = 40p$

### Expected

- 4b. £23.00, £23.50, £24.00, £24.50 or £25.00  
5b. Various possible answers including; £6.42, £6.44, £6.47, £7.42, £7.44, £7.46  
6b. Molly has the most because  $2 \times 200p = 400p$  and  $3 \times 100p = 300p$

### Greater Depth

- 7b. £26.00, £26.10 or £26.20  
8b. Various possible answers including; £5.91, £5.94, £9.14, £9.15, £9.41, £9.45, £9.51, £9.54  
9b. Olly has the most because  $4 \times 50p = 200p$  or £2.00, so he has £7.00 which is more than the £6.80 Annie has.