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.

Did you like this resource? Don’t forget to review it on our website.
1a. Dean has been saving 10p coins. He has more than £5.80 but less than £6.40. How much could Dean have?

1b. Sam has been saving 10p coins. He has more than £1.50 but less than £2.00. How much could Sam have?

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

\[
\begin{array}{cccc}
2 & 6 & 3 & 5 \\
\end{array}
\]

\[£5.68 > \phantom{3} \phantom{6} \phantom{3} \phantom{5}\]

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

\[
\begin{array}{cccc}
1 & 4 & 7 & 0 \\
\end{array}
\]

\[£1.10 < \phantom{7} \phantom{0}\]

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

Luke: I have six 10p coins.

Holly: I have two 50p coins.

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

Jack: I have four 10p coins.

Max: I have one 50p coin.
4a. Angela has been saving 50p coins. She has more than 2,350p but less than £28.00.

How much could Angela have?

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

How much could Robert have?

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

5, 1, 3, 4

5,40p >  

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

6, 2, 4, 7

£4.70 <  

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

Wayne: I have four 50p coins.

John: I have five 20p coins.

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

Molly: I have two £2 coins.

Mandy: I have three £1 coins.
### Ordering Money

<table>
<thead>
<tr>
<th>7a. Laura has been saving 50p and 10p coins. She has more than £15.60 but less than £16.20.</th>
</tr>
</thead>
<tbody>
<tr>
<td>How much could Laura have?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7b. Callum has been saving 50p and 10p coins. He has more than £25.90 but less than £26.30.</th>
</tr>
</thead>
<tbody>
<tr>
<td>How much could Callum have?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8a. How many ways can you make this statement true? Use the digit cards below.</th>
</tr>
</thead>
<tbody>
<tr>
<td>£6.48 &gt;</td>
</tr>
<tr>
<td>6 2 8 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8b. How many ways can you make this statement true? Use the digit cards below.</th>
</tr>
</thead>
<tbody>
<tr>
<td>£5.49 &lt;</td>
</tr>
<tr>
<td>1 5 4 9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9a. Who has the most money? Explain why.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophie: I have one £10 note and one 50p coin.</td>
</tr>
<tr>
<td>Kath: I have one £10 note and three 20p coins.</td>
</tr>
<tr>
<td>Olly: I have one £5 note and four 50p coins.</td>
</tr>
<tr>
<td>Annie: I have one £5 note and nine 20p coins.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9b. Who has the most money? Explain why.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophie: I have one £10 note and one 50p coin.</td>
</tr>
<tr>
<td>Kath: I have one £10 note and three 20p coins.</td>
</tr>
<tr>
<td>Olly: I have one £5 note and four 50p coins.</td>
</tr>
<tr>
<td>Annie: I have one £5 note and nine 20p coins.</td>
</tr>
</tbody>
</table>
**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 x 50p = 100p and 6 x 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 x 50p = 200p and 5 x 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 x 20p = 60p, so she has £10.60 which is more than the £10.50 Sophie has.

**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 x 50p = 50p and 4 x 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 x 200p = 400p and 3 x 100p = 300p

**Greater Depth**
7b. £26.00, £26.10 or £26.20
9b. Olly has the most because 4 x 50p = 200p or £2.00, so he has £7.00 which is more than the £6.80 Annie has.