



Strengthen Activities

MISCONCEPTION

Children may incorrectly write amounts of money, for example 4p written as £0.4.

STRENGTHENING UNDERSTANDING

1. First ask children to write what they think 4p looks like when written in pounds. They will write £0.4 if they have this misconception.
2. Next, clarify how many pence make £1 and establish that 100p makes £1, so this means that 1p is one hundredth of £1 (you could use a blank 100 square to illustrate the point further, and perhaps put pennies on the squares).
3. On a place value grid, ask children to point out the hundredths column. Ask: *If 1p is one hundredth, how many hundredths is 4p?* Ask children to record 4 hundredths into the grid. Then ask children how they would write 4 hundredths in numerals – check that children have written 0.04. Now ask them to compare with their original answers – what is the same, what is different? Ask children to explain the mistake that they made. Can children work out what £0.4 actually makes? (4 tenths of £1, or 40p)

ASSESSMENT CHECKPOINT

Can children correctly write the amounts two pounds and three pence and one pound and sixty pence?

RESOURCES

Whiteboards and pens, coins, blank 100 square

MISCONCEPTION

Children may not be confident about which digit to look at when deciding which way to round, when rounding to the nearest 10p or £1.

STRENGTHENING UNDERSTANDING

1. Write down £4.27 on a whiteboard. Tell children that we are going to round this amount to the nearest whole pound. Ask: *If we were to put £4.27 on a number line, which two pound values would it sit between?* Establish that it would be between £4 and £5 and ask children to draw a number line to show this.
2. Ask: *What amount would go in the middle, between the two pound values?* Help children to realise that the whole section of the number line is worth £1, so half of it would be 50p or £0.50 so halfway would be £4.50. Now ask children to compare £4.27 with £4.50. Ask: *Is it greater than or less than £4.50? How do you know? So where will it sit on the number line? Is it closer to £4 or £5?* Establish that £4.27 is less than halfway and so rounds to £4 as it is closer to £4 than £5. Ensure children realise that they needed to compare the tenths digits, as the pound digits are the same.
3. Next round £4.27 to the nearest 10p. In a similar way, establish a number line between £4.20 and £4.30, find halfway and compare with £4.27. Ask: *Does it round up or down? How do you know? Which digits did you need to compare when rounding to the nearest 10p?*

ASSESSMENT CHECKPOINT

Can children round 3.64 to the nearest £1 and nearest 10p?

RESOURCES

Whiteboards and pens

MISCONCEPTION

Children may not see the importance of 0 as a place holder and may incorrectly record amounts.

STRENGTHENING UNDERSTANDING

1. Ask children to write two pounds and three pence and then to write two pounds and 30 pence. If children write £2.3 and £2.30 respectively, use a place value grid and counters to prove that £2.3 and £2.30 are the same number by looking at how many ones, tenths and hundredths there are.
2. Now go through how many ones, tenths and hundredths there are for two pounds and three pence by placing counters in a place value grid. Draw out that the correct way to write it is £2.03 and that we need to include a place holder for the tenths to show we have no tenths.

ASSESSMENT CHECKPOINT

Can children correctly write 50 pence, and four pounds and 8 pence?

RESOURCES

Whiteboards and pens, coins