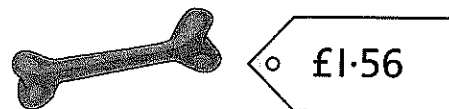


Using rounding to estimate money

1 Bella buys the following items for her dog.



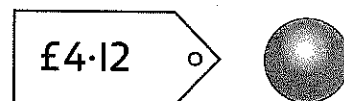
- a) Round each item to the nearest £1 to find an estimate of the total cost.

£1.56 rounded to the nearest £1 is £ .

£4.12 rounded to the nearest £1 is £ .

£ + = £

An estimate of the total cost is £ .



- b) Round each item to the nearest 10p to find an estimate of the total cost.

£1.56 rounded to the nearest 10p is £ .

£4.12 rounded to the nearest 10p is £ .

Add the pounds £ + £ = £

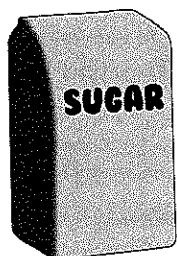
Add the pence p + p = p

So £ and p = £

An estimate of the total cost is £ .

- c) Which estimate is most accurate? Why?

- 2 Estimate the total cost by rounding each item to the nearest 10p.



74p

£3.55



An estimate of the total cost is £ .



- 3 Max buys these items.



£1.89



£0.95



£3.75

Max wants to estimate the total cost.

He rounds each number to the nearest £1.

Does Max have an over or under estimate for the total cost?

Use workings to explain your answer.

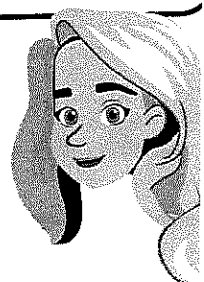


- 4 What is the greatest amount of money Holly could have in her purse?

The greatest amount of money Holly could have in her purse is £ .

When I round the money in my purse to the nearest £1, I get £7.

Holly



- 5 Sofia wants to buy a car costing £7,959.



She has saved £1,875.

Estimate how much more money Sofia needs to save.



I estimate Sofia needs to save £ .

- 6 Lexi has £20. She wants to buy some items with these costs.

£5.43

£2.07

£6.30

£4.49

£2.26

CHALLENGE

She rounds each price to the nearest £1.

'I estimate the total to be £19, so I have enough money.'

Why might Lexi not be correct?

Reflect

Andy wants to work out the total cost of four objects.

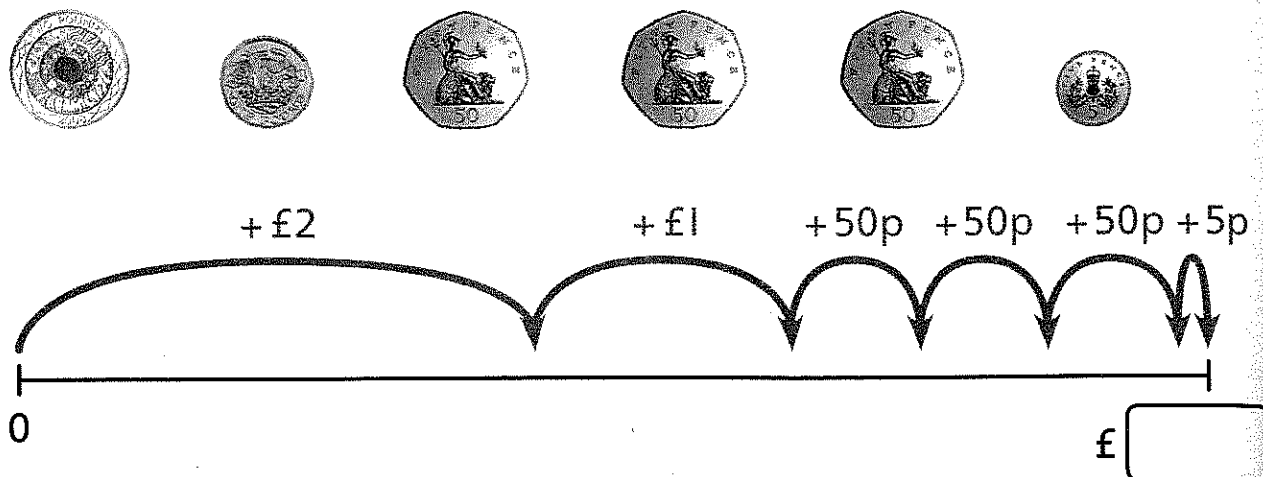
He rounds each price to the nearest £1.

Write down one advantage and one disadvantage of Andy's method.

- ---
- ---
- ---

Problem solving – pounds and pence

- I** a) How much money does Max have?



- b) How much money does Olivia have?



Olivia has £ and p.

- c) How much money do Max and Olivia have altogether?

Add up the pounds. £ + £ = £

Add up the pence. p + p = p

£ and p = £

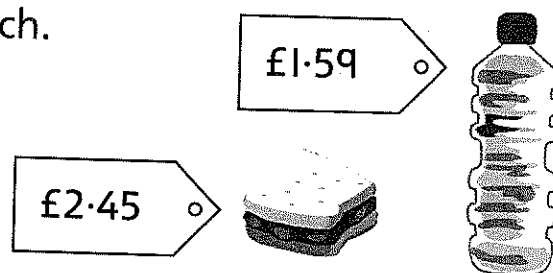
Max and Olivia have £ in total.

- 2 Jamilla buys the following items for lunch.

How much does she spend in total?

$$£2.45 = £2 \text{ and } \boxed{} \text{ p}$$

$$£1.59 = £1 \text{ and } \boxed{} \text{ p}$$



- 3 Work out the totals.

a) $£2.48 + £30.08 = \boxed{}$

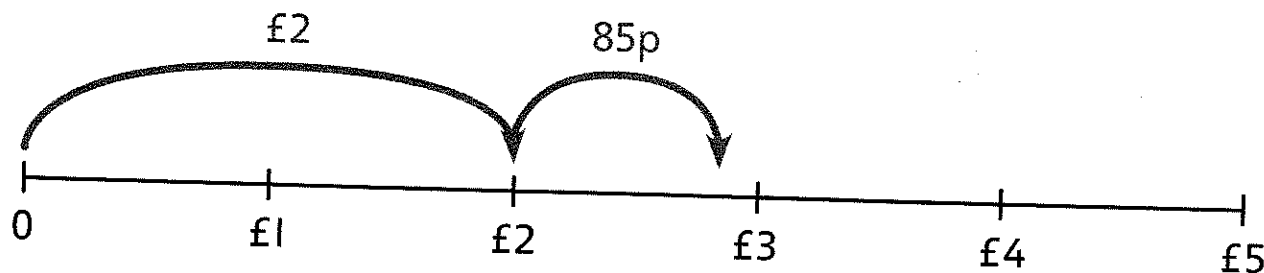
b) 72p and $£4.95 = \boxed{}$



- 4 Reena spends $£2.85$ on a large birthday balloon.

She pays with a $£5$ note.

How much change does she get from $£5$?



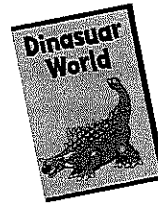
Reena gets £ $\boxed{}$ change.

- 5 Max spends £6.35. How much change would he get from a £10 note?



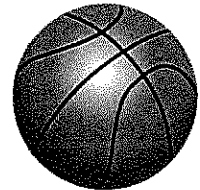
- 6 Lexi buys a DVD and a basketball using a £20 note and a £5 note.

What is the minimum number of coins she will get in her change?



£13.35

£7.40



CHALLENGE



Reflect

Prove Richard will get some change from a £5 note if he buys 3 items costing £2.55, 70p and £1.68.





