

1. Sarah buys 8 oranges at £0.40 each and 3 identical bottles of water. She pays with a £10 note and receives £2.60 in change. How much does she pay for each bottle of water?
2. Emma buys 5 bananas at £0.30 each and 4 identical chocolate bars. She pays with a £10 note and gets £3.20 change. What is the price of each chocolate bar?
3. Tom buys 7 peaches at £0.55 each and 2 identical packets of crisps. He pays with a £10 note and receives £1.85 in change. How much does each packet of crisps cost?
4. Lucy buys 9 plums at £0.25 each and 5 identical cans of soda. She pays with a £10 note and gets £0.50 change. How much does each can of soda cost?
5. David buys 4 pears at £0.60 each and 3 identical sandwiches. He pays with a £10 note and receives £2.20 in change. How much does he pay for each sandwich?
6. Megan buys 6 kiwis at £0.35 each and 2 identical muffins. She pays with a £10 note and gets £4.20 change. How much does each muffin cost?
7. Jack buys 10 strawberries at £0.20 each and 4 identical cartons of milk. He pays with a £10 note and gets £2.80 change. How much does he pay for each carton of milk?
8. Chloe buys 3 melons at £1.10 each and 2 identical packets of biscuits. She pays with a £10 note and receives £0.90 in change. What is the cost of each packet of biscuits?
9. Sam buys 5 grapefruits at £0.75 each and 3 identical yoghurts. He pays with a £10 note and gets £1.85 change. How much does he pay for each yoghurt?
10. Olivia buys 2 pineapples at £1.50 each and 4 identical granola bars. She pays with a £10 note and receives £1.60 change. What is the price of each granola bar?

Step-by-Step Solutions

1. Sarah buys 8 oranges at £0.40 each and 3 identical bottles of water. She pays with a £10 note and receives £2.60 in change. How much does she pay for each bottle of water?

Step 1: Calculate the total amount spent.

$$\text{Total spent} = £10.00 - £2.60 = £7.40$$

Step 2: Calculate the cost of oranges.

$$\text{Oranges cost} = 8 \times £0.40 = £3.20$$

Step 3: Find the total cost of the 3 bottles of water.

$$£7.40 - £3.20 = £4.20$$

Step 4: Find the cost of each bottle of water.

$$\text{Cost per bottle} = \frac{£4.20}{3} = £1.40$$

2. Emma buys 5 bananas at £0.30 each and 4 identical chocolate bars. She pays with a £10 note and gets £3.20 change. What is the price of each chocolate bar?

Step 1: Calculate the total amount spent.

$$£10.00 - £3.20 = £6.80$$

Step 2: Find the cost of the bananas.

$$5 \times £0.30 = £1.50$$

Step 3: Calculate the total cost of the chocolate bars.

$$£6.80 - £1.50 = £5.30$$

Step 4: Find the price of each chocolate bar.

$$\frac{£5.30}{4} = £1.325$$

Maths With Melissa

Step 1: Calculate the total amount spent. $\backslash [£10.00 - £1.85 = £8.15$

Step 2: Find the cost of the peaches.

$$7 \times £0.55 = £3.85$$

Step 3: Calculate the total cost of the crisps.

$$£8.15 - £3.85 = £4.30$$

Step 4: Find the cost per packet of crisps.

$$\frac{£4.30}{2} = £2.15$$

4. Lucy buys 9 plums at £0.25 each and 5 identical cans of soda. She pays with a £10 note and gets £0.50 change. How much does each can of soda cost?

Step 1: Calculate the total spent.

$$£10.00 - £0.50 = £9.50$$

Step 2: Find the cost of the plums.

$$9 \times £0.25 = £2.25$$

Step 3: Calculate the total cost of the cans of soda.

$$£9.50 - £2.25 = £7.25$$

Step 4: Find the cost per can of soda.

$$\frac{£7.25}{5} = £1.45$$

5. David buys 4 pears at £0.60 each and 3 identical sandwiches. He pays with a £10 note and receives £2.20 in change. How much does he pay for each sandwich?

Step 1: Calculate the total amount spent.

$$£10.00 - £2.20 = £7.80$$

Step 2: Find the cost of the pears.

$$4 \times £0.60 = £2.40$$

Step 3: Calculate the total cost of the sandwiches.

$$£7.80 - £2.40 = £5.40$$

Step 4: Find the cost per sandwich.

$$\frac{£5.40}{3} = £1.80$$

6. Megan buys 6 kiwis at £0.35 each and 2 identical muffins. She pays with a £10 note and gets £4.20 change. How much does each muffin cost?

Step 1: Calculate the total amount spent.

$$£10.00 - £4.20 = £5.80$$

Step 2: Find the cost of the kiwis.

$$6 \times £0.35 = £2.10$$

Step 3: Calculate the total cost of the muffins.

$$£5.80 - £2.10 = £3.70$$

Step 4: Find the cost per muffin.

$$\frac{£3.70}{2} = £1.85$$

7. Jack buys 10 strawberries at £0.20 each and 4 identical cartons of milk. He pays with a £10 note and gets £2.80 change. How much does he pay for each carton of milk?

Step 1: Calculate the total amount spent.

$$£10.00 - £2.80 = £7.20$$

Step 2: Find the cost of the strawberries.

$$10 \times £0.20 = £2.00$$

Step 3: Calculate the total cost of the milk.

$$£7.20 - £2.00 = £5.20$$

Step 4: Find the cost per carton of milk.

$$\frac{£5.20}{4} = £1.30$$

8. Chloe buys 3 melons at £1.10 each and 2 identical packets of biscuits. She pays with a £10 note and receives £0.90 in change. What is the cost of each packet of biscuits?

Step 1: Calculate the total amount spent.

$$£10.00 - £0.90 = £9.10$$

Step 2: Find the cost of the melons.

$$3 \times £1.10 = £3.30$$

Step 3: Calculate the total cost of the biscuits.

$$£9.10 - £3.30 = £5.80$$

Step 4: Find the cost per packet of biscuits.

$$\frac{£5.80}{2} = £2.90$$

9. Sam buys 5 grapefruits at £0.75 each and 3 identical yoghurts. He pays with a £10 note and gets £1.85 change. How much does he pay for each yoghurt?

Step 1: Calculate the total amount spent.

$$£10.00 - £1.85 = £8.15$$

Step 2: Find the cost of the grapefruits.

$$5 \times £0.75 = £3.75$$

Step 3: Calculate the total cost of the yoghurts.

$$£8.15 - £3.75 = £4.40$$

Step 4: Find the cost per yoghurt.

$$\frac{£4.40}{3} = £1.47$$

10. Olivia buys 2 pineapples at £1.50 each and 4 identical granola bars. She pays with a £10 note and receives £1.60 change. What is the price of each granola bar?

Step 1: Calculate the total amount spent.

$$£10.00 - £1.60 = £8.40$$

Step 2: Find the cost of the pineapples.

$$2 \times £1.50 = £3.00$$

Step 3: Calculate the total cost of the granola bars.

$$£8.40 - £3.00 = £5.40$$

Step 4: Find the price per granola bar.

$$\frac{£5.40}{4} = £1.35$$