



- 1 Potatoes cost £1.20 per kilogram.
Work out the cost of 3.5 kg of potatoes.

(2 marks)

$$\text{Cost} = 3.5 \times \text{£}1.20$$

$$3.5 \times 1.20 = 4.20, \text{ so the cost is } \text{£}4.20$$

£4.20

- 2 Marcus buys a sandwich for £3.45 and a drink for £1.20. He pays with a £10 note.
How much change does he get?

(2 marks)

$$3.45 + 1.20 = 4.65$$

$$10.00 - 4.65 = 5.35$$

£5.35

- 3 Four friends win a prize of £59.40
They share the prize equally.
Work out how much each friend receives.

(2 marks)

Divide £59.40 by 4

$$59.40 \div 4$$

$$4 \times 14 = 56, \text{ remainder } 3.40$$

$$3.40 \div 4 = 0.85, \text{ so each friend receives } \text{£}14.85$$

£14.85

- 4 Lily buys 3 notebooks and a pen.
Each notebook costs £1.35.
The pen costs 85p.
Lily pays with a £10 note.
Work out how much change Lily should get.

(3 marks)

3 notebooks

$$3 \times £1.35 = £4.05$$

Total spent

$$£4.05 + £0.85 = £4.90$$

Change

$$£10.00 - £4.90 = £5.10$$

$$£5.10$$

- 5 Amina buys 3 pens at 45p each and 2 notebooks at £1.80 each.
Work out the total cost.

(3 marks)

$$3 \times 45p = 135p = £1.35$$

$$2 \times £1.80 = £3.60$$

$$1.35 + 3.60 = 4.95$$

$$£4.95$$

- 6 Six friends share a restaurant bill of £84 equally.
How much does each friend pay?

(2 marks)

$$84 \div 6 = 14$$

$$£14$$

- 7 A bus ticket costs £2.30. Work out the cost of 4 tickets.

(2 marks)

$$4 \times £2 = £8$$

$$4 \times 30p = 120p = £1.20$$

$$8 + 1.20 = 9.20$$

$$£9.20$$

- 8 A T-shirt normally costs £12. In a sale, all T-shirts are half price.
Luca buys 3 T-shirts in the sale. How much does he pay?

(3 marks)

$$12 \div 2 = 6$$

$$3 \times £6 = £18$$

£18

- 9 Priya works for 9 hours.
She is paid a total of £102.60
Priya is paid the same amount for each hour she works.
Work out how much Priya is paid per hour.

(2 marks)

Divide the total pay by the number of hours

$$102.60 \div 9 = 11.40$$

Priya is paid £11.40 per hour

£11.40

- 10 A sofa costs £624.
Dan pays a deposit of £150.
He pays the rest of the cost in 6 equal monthly payments.
Work out the amount of each monthly payment.

(3 marks)

Amount left to pay

$$£624 - £150 = £474$$

Each payment

$$£474 \div 6 = £79$$

£79

- 11 Jo has £20. She wants to buy 4 packs of paint at £4.75 each.
Does she have enough money? You must show your working.

(3 marks)

$$4 \times 4 = 16$$

$$4 \times 0.75 = 3$$

$$16 + 3 = 19$$

£19 is less than £20

Yes, she has enough

12

Amy works in a shop.

Last week she worked 28 hours at her normal rate of £9.50 per hour.

She also worked 6 hours at a higher rate of £14.25 per hour.

Work out the total amount Amy earned last week.

(3 marks)

Normal pay

$$28 \times £9.50 = £266$$

Higher-rate pay

$$6 \times £14.25 = £85.50$$

Total

$$£266 + £85.50 = £351.50$$

$$\boxed{£351.50}$$

13

A till contains only £10 notes and £20 notes.

There are 14 £10 notes in the till.

The total value of the notes is £480.

Work out how many £20 notes are in the till.

(3 marks)

Value of the £10 notes

$$14 \times £10 = £140$$

Value of the £20 notes

$$£480 - £140 = £340$$

Number of £20 notes

$$340 \div 20 = 17$$

$$\boxed{17}$$

14

Theatre tickets cost £24.75 for an adult and £16.50 for a child.

The Khan family buy tickets for 2 adults and 3 children.

Show that the total cost of the tickets is more than £95.

(3 marks)

Adult tickets

$$2 \times £24.75 = £49.50$$

Child tickets

$$3 \times £16.50 = £49.50$$

Total

$$£49.50 + £49.50 = £99.00$$

£99.00 is more than £95, as required

15

Amir has £20

He buys a book costing £7.65 and a magazine costing £4.80

Work out how much money Amir has left.

(2 marks)

Total spent

$$£7.65 + £4.80 = £12.45$$

Money left

$$£20 - £12.45 = £7.55$$

$$£7.55$$

16

Pens cost £2.35 each.

Priya has £30 to spend on pens.

Work out the greatest number of pens Priya can buy.

(3 marks)

$$£30 \div £2.35 = 12.76... \text{ so try 12 pens}$$

$$12 \times £2.35 = £28.20, \text{ which is within } £30$$

$$13 \times £2.35 = £30.55, \text{ which is too much}$$

The greatest number of pens is 12

$$12$$

17

Ben buys 4 identical mugs and a jug.

The jug costs £6.50.

Ben pays with a £20 note and gets £3.10 change.

Work out the cost of one mug.

(4 marks)

Total spent

$$£20 - £3.10 = £16.90$$

Cost of the 4 mugs

$$£16.90 - £6.50 = £10.40$$

Cost of one mug

$$£10.40 \div 4 = £2.60$$

$$£2.60$$

18

Jade is paid £11.20 per hour for hours worked on weekdays.

For hours worked at the weekend she is paid 1.5 times her weekday rate.

Last week Jade worked 30 hours on weekdays and 4 hours at the weekend.

Work out Jade's total pay for last week.

(4 marks)

Weekend rate

$$1.5 \times £11.20 = £16.80 \text{ per hour}$$

Weekday pay

$$30 \times £11.20 = £336$$

Weekend pay

$$4 \times £16.80 = £67.20$$

Total pay

$$£336 + £67.20 = £403.20$$

$$\boxed{£403.20}$$