

Maths Activities- Money and Finance

Revision links:

http://resources.hwb.wales.gov.uk/VTC/working_with_coins/eng/Introduction/MainSessionPart1.htm

<https://natwest.mymoneysense.com/students/students-8-12/>

<https://www.bbc.co.uk/bitesize/topics/z8yv4wx>

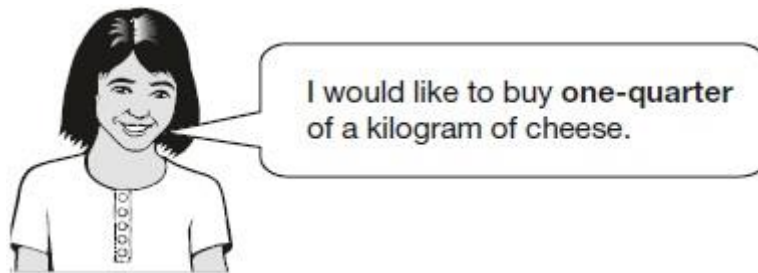
<https://mathsmadeeasy.co.uk/ks2-revision/calculations-with-money/>

Warming up *

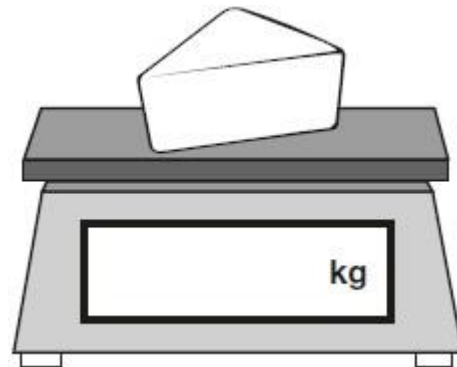
Q1.

Amina is shopping.

She says,



Write one-quarter on the scales as a decimal.



1 mark

The cheese costs £1.35

Amina pays with a £2 coin.

How much change should Amina get?

Q2.

The **original** price of this car is £8,999



What is the **sale** price of the car?

£

1 mark

Q3.

John buys one toy car and one pack of stickers.



£1.49



£1.64

He pays with a **£10** note.

How much change does John get?

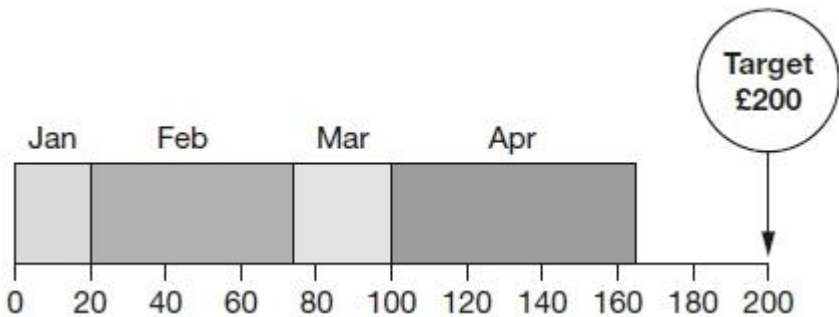
Show
your
method

£

Q5.

A school plans to collect £200 between January and May.

This chart shows how much they collected by the end of April.



Amount of money collected in £

Write the name of **each** month where they collected more than £50

1 mark

How much money did they collect in February and March **altogether**?

£

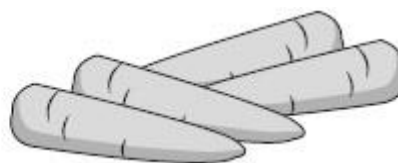
1 mark

Feeling confident **

Q6.



potatoes
£1.50 per kg



carrots
£1.80 per kg

Jack buys $1\frac{1}{2}$ kg of potatoes and $\frac{1}{2}$ kg of carrots.

How much **change** does he get from £5?

Show
your
method

£

2 marks

Q7.

The children at Farmfield School are collecting money for charity.

Their target is to collect £360

So far they have collected £57.73

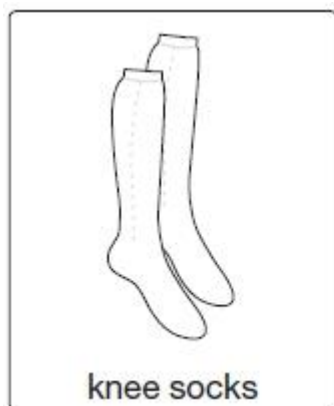
How much **more** money do they need to reach their target?

£

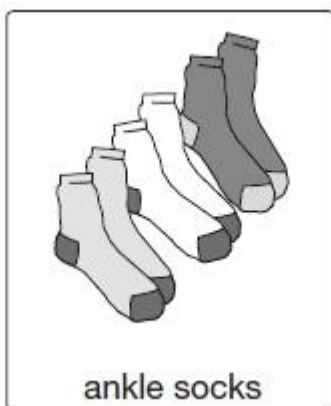
1 mark

Q8.

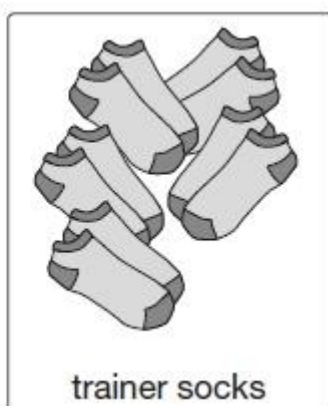
A shop sells pairs of socks.



1 pair for £5.45



3 pairs for £7.50



5 pairs for £8. 50

Kirsty buys 1 pair of knee socks and 3 pairs of ankle socks.

She pays with a £20 note.

How much change does she get?

Show
your
method

£

2 marks

Amy spends £25.50 on trainer socks.

How many **pairs** of trainer socks does she get?

pairs

1 mark

Q9.

Liam has five coins.

Three of the coins add up to **30p**.

Three of the coins add up to **40p**.

All five coins add up to **£1**

What are the coins that Liam has?

Diagram illustrating the structure of a 5x5 grid of cells, each containing the letter 'p'.

1 mark

Q10.

Chen and Megan each buy a sandwich.

Chen gets 5p change from £2

Megan gets £2.25 change from £5

How much **more** does Megan pay than Chen?

Show
your
method

2 marks

Challenge ***

Q11.

Chloe and Denise each bought identical T-shirts from the same shop.

Chloe bought hers on Monday when there was **15% off** the original price.



Denise bought hers on Friday when there was **20% off** the original price.



Chloe paid **35p more** than Denise.

What was the **original price** of the T-shirt?

Show your method

£

Q12.



Two families go to the cinema.

The Smith family buy tickets for **one adult** and **four children** and pay **£19**

The Jones family buy tickets for **two adults** and **two children** and pay **£17**

What is the cost of **one child's** ticket?

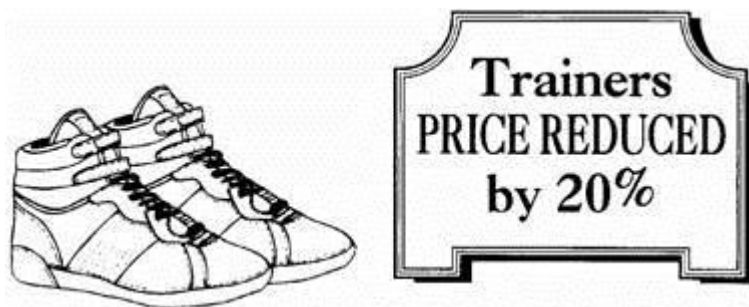
Show your method

£

2 mark

Q13.

Linda buys a pair of trainers.



She says,

'I bought this pair of trainers when there was 20% off the normal price. I paid £18 for them.'

What was the **normal** price of the trainers?

Show
your
method

£

2 marks

Q14.

Lara had some money.

She spent £1.25 on a drink.

She spent £1.60 on a sandwich.

She has **three-quarters** of her money left.

How much money did Lara have to **start with**?

Show
your
method

£

2 marks

Q15.

One toffee apple needs:

1 stick,

100 g of sugar,

1 apple.

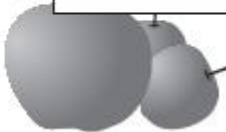




50 sticks
cost £6.25



1 kg of sugar
costs £0.99



100 apples
cost £22.50

Children buy just enough sticks, sugar and apples to make **100** toffee apples.

They sell all 100 toffee apples for **£1 each**.

The profit goes to charity.

Work out how much money goes to charity.

Show
your
method

£

3 marks

Answers

Warming up *

Q1.

(a) 0.25

Do not accept $\frac{1}{4}$ or any other fraction

1

(b) 65(p) **OR** (£)0.65

1

[2]

Q2.

£7,899

[1]

Q3.

Award **TWO** marks for the correct answer of £6.87

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- £1.49 + £1.64 = £3.13
- £10 – £3.13 =

OR

- £10 – £1.49 = £8.51
- £8.51 – £1.64 =

OR

- £10 – 164p – 149p =

*Answer need not be obtained for the award of **ONE** mark.*

*Accept for **ONE** mark an answer of £687 **OR** £687p as evidence of an appropriate method.*

Up to 2 marks

[2]

Q4.

Award **TWO** marks for the correct answer of 25p.

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $168 \div 2 = 84$
 $109 - 84$

OR

- $168 \div 6 = 28$
 $3 \times 28 = 84$
 $109 - 84$

*Accept for **TWO** marks, an answer given in the acceptable notation.*

*Answer need not be obtained for the award of **ONE** mark.*

*Accept for **ONE** mark an answer of 0.25p **OR** £25p **OR** £25 as evidence of an appropriate method.*

Up to 2m

[2]

Q5.

- (a) February and April in either order.

Accept alternative unambiguous indications, e.g. F and A.

Do not accept the amounts collected in February and April, i.e. £55 and £65

1

- (b) £80

1

[2]

Feeling confident **

Q6.

Award **TWO** marks for the correct answer of £1.85

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $1\frac{1}{2} \times £1.50 = £2.25$
 $\frac{1}{2}$ of £1.80 = 70p (error)
 $£2.25 + 70p = £2.95$
 $£5 - £2.95 =$

OR

- $£1.50 + 75 = £2.25$
 $£2.25 + 90 = 415p$ (error)
 $£5.00 - 415p =$

OR

- sight of £3.15 **OR** 315p as evidence of evaluating the correct cost of the potatoes and carrots.

***Do not** accept misreads for this question.*

*Answer need not be obtained for the award of **ONE** mark.*

*Accept for **ONE** mark an answer of £185 or £185p as evidence of an appropriate method.*

Up to 2 marks

[2]

Q7.

£ 302.27

[1]

Q8.

- (a) Award **TWO** marks for the correct answer of £7.05

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:

■ $£20 - £5.45 - £7.50 = \text{wrong answer}$

OR

■ $£5.45 + £7.50 = £12.95$

$£20 - £12.95 = \text{wrong answer}$

*Accept for **ONE** mark £705 OR £705p as evidence of appropriate working.*

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2

- (b) 15

1

[3]

Q9.

50p 20p 10p 10p 10p

Coins may be given in any order.

U1

[1]

Q10.

Award **TWO** marks for the correct answer of 80p **OR** £0.80

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:

■ $£2.00 - £0.05 = £1.95$

$£5.00 - £2.25 = £2.75$

$£2.75 - £1.95 = \text{wrong answer}$

*Accept for **ONE** mark £80 **OR** £80p **OR** 0.80p as evidence of appropriate working.*

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2m

[2]

Challenge ***

Q11.

Award **TWO** marks for the correct answer of £7 **OR** £7.00

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg

$$\begin{aligned} 5\% &= 35 \\ 100\% &= 35 \times 20 \end{aligned}$$

*Accept for **TWO** marks £7.00p **OR** £7 00*

*Accept for **ONE** mark £700 **OR** £700p as evidence of an appropriate method.*

Up to 2

[2]

Q12.

Award **TWO** marks for a correct answer of £3.50

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg

- adult + child is £17 ÷ 2 = £8.50
adult + 4 children is £19, so 3
children cost £10.50, so 1 child costs £10.50 ÷ 3
- 2 adults + 8 children = £38.00
6 children cost £21, so 1 child costs £21 ÷ 6

*Accept for **TWO** marks £3 50 **OR** £3-50 **OR** £3.50p*

*Accept for **ONE** mark £3.5 **OR** £350p **OR** £350 **OR** similar as evidence of appropriate working.*

Calculation need not be completed for the award of the mark.

Up to 2

[2]

Q13.

Award **TWO** marks for the correct answer of £22.50

If answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg:

$$18 \times \frac{100}{80}$$

OR $18 \div 4 = 4.5$

AND $18 + 4.5 =$ incorrect answer

Accept any clear indication of the distinction between pounds and pence

*Accept £22.50p **OR** £22.50.*

*Accept 22.50 **OR** 2250p written outside the answer box.*

*Incorrect answers include £2250 **OR** £2250p **OR** 2250 **OR** 22.50p written outside the answer box.*

*Calculation need not be performed for the award of **ONE** mark, but the method shown must be capable of producing the correct answer.*

Up to 2

[2]

Q14.

Award **TWO** marks for the correct answer of £11.40.

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $\begin{aligned} &\text{£1.25} + \text{£1.60} = \text{£2.85} \\ &\text{£2.85} \times 4 \end{aligned}$

*Accept for **ONE** mark an answer of £1,140 **OR** £1,140p **OR** £11.4 as evidence of an appropriate method.*

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2m

[2]

Q15.

Award **THREE** marks for the correct answer of £55.10

Award **TWO** marks for a complete correct method with one arithmetic error, eg

■	Sticks	£12.50	
	Sugar	£ 9.99 (error)	
	Apples	+ <u>£22.50</u>	
	Total	£44.99	
	Profit	£100.00	
		- <u>£ 44.99</u>	
		£ 55.01	

OR

If the answer is incorrect, award **TWO** marks for evidence of a correct total for all the ingredients, eg

■	Sticks	£12.50	
	Sugar	£ 9.90	
	Apples	+ <u>£22.50</u>	
	Total	£44.99	

OR

Award **ONE** mark for sight of £12.50 **and** £9.90

Up to 3

[3]