

1

A 5p coin has a diameter of 1.8 centimetres.



Holly makes a straight line of 5p coins worth £10

£10



How long is Holly's line?
Give your answer in **metres**.

Show
your
method

metres

2 marks

2

Write in the missing number.

$$50 \div \boxed{} = 2.5$$

1 mark

Shenaz buys a pack of **24 cans** of cola for **£6.00**



2 mark



Every **100 g** of brown bread contains **6 g** of fibre.

A loaf of bread weighs 800 g and has 20 equal slices.

How much fibre is there in **one** slice?

Show your method

g

2 marks



Cheddar cheese costs £7.50 for 1 kg.

Marie buys 200 grams of cheddar cheese.

How much does she pay?

£

1 mark

7

Calculate $504 \div 21$

Show
your
method

The grid is 20 columns wide and 10 rows high. A smaller box, 10 columns wide and 3 rows high, is located on the right side of the grid, spanning from the 11th to the 20th column and the 7th to the 9th row.

2 marks

Mark schemes

1

Award **TWO** marks for the correct answer of 3.6

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

- $10 \div 0.05 = 200$
 $200 \times 1.8 = 360$
 $360 \div 100$

OR

- 20 5p coins make £1
200 5p coins make £10
 200×0.018

*Answer must be in metres for the award of **TWO** marks.*

*Accept for **ONE** mark 360 centimetres.*

*If the answer is incorrect, accept for **ONE** mark an answer of 36 multiplied by any power of 10 with no evidence of an incorrect method.*

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

Up to 2

[2]

2

20

[1]

3

Award **TWO** marks for the correct answer of 25p **OR** £0.25 **OR** 25 pence.

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg $600 \div 24 =$ wrong answer.

*Accept £0 25 **OR** £0.25p **OR** £0 25p **OR** 25 **OR** 0.25 **OR** £0-25.*

*Calculation must be performed for the award of **ONE** mark.*

Up to 2

[2]

4

Award **TWO** marks for the correct answer of 2.4

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

$$6 \times 8 = 48 \text{ (48 g fibre in one loaf)}$$

$$48 \div 20$$

OR

$$800 \div 20 = 40 \text{ (one slice weighs 40 g)}$$

$$6\% \text{ of } 40$$

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

Up to 2

[2]

5

(a) £1.50

1

(b) Award **TWO** marks for the correct answer of 250

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

- $360 \div 90 = 4$
- $1000 \div 4$

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

Up to 2

[3]

6

2.5

Accept equivalent fractions or decimals

[1]

7

Award **TWO** marks for the correct answer of 24

If the answer is incorrect, award **ONE** mark for evidence of appropriate working which contains no more than **ONE** arithmetical error, eg

- repeated addition / subtraction methods, eg

$$504$$

$$\begin{array}{r} 504 \\ -210 \\ \hline \end{array} \quad 10 \times 21$$

$$294$$

$$\begin{array}{r} 294 \\ -210 \\ \hline \end{array} \quad 10 \times 21$$

$$84$$

$$\begin{array}{r} 84 \\ -84 \\ \hline \end{array} \quad 4 \times 21$$

$$0 \quad \text{wrong answer}$$

- factor / multiple methods, eg

$$504 \div 3 = 168$$

$$168 \div 7 = \text{wrong answer}$$

- long division algorithm

wrong answer

$$\begin{array}{r} 21 \overline{)504} \\ \underline{420} \\ 84 \end{array}$$

$$84$$

$$\begin{array}{r} 84 \\ -84 \\ \hline \end{array}$$

$$0$$

- short division algorithm

wrong answer

$$\begin{array}{r} 21 \overline{)50^8 4} \end{array}$$

*In all cases accept follow through of **ONE** error in working.*

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

***Do not** award any marks if the final answer is missing.*

Variations on algorithms are acceptable, provided they represent a viable and complete method.

***No mark** is awarded for repeated addition / subtraction the wrong number of times.*

Short division methods must be supported by evidence of appropriate carrying figures to indicate use of a division algorithm.

Up to 2

[2]