

Use a card to complete each calculation.



2 marks

2.



2 marks

The examples below show the first 2 numbers in a sequence.

Find 2 different ways to continue each sequence.

Use addition for the first and multiplication for the second.

0.01	10	
	or	
0.01	10	

1 mark



3.

The Angel of the North is a large statue in England.

It is 20 metres tall and 54 metres wide.



Ally makes a scale model of the Angel of the North.

Her model is 40 centimetres tall.

How wide is her model?

|--|

1 mark

- You can make green paint by mixing:
- 250 ml of blue paint

6.

• 1,150 ml of yellow paint.

Stefan wants to make some of this green paint.

He uses 750 ml of **blue** paint.

How much green paint does he make?



2 marks

A machine pours 250 millilitres of juice every 4 seconds.

How many litres of juice does the machine pour every minute?



2 marks



8.



1 mark



The full price of a T-shirt is $\pounds15$

The price is reduced by 30%.

What is the reduced price?



2 marks

10.

Jack has £400

He spends 35% of his money on a new bike.



How much does Jack spend on his new bike?



1 mark

Calculate $\frac{3}{4}$ of £15



1 mark



Write numbers in the boxes to make this fraction calculation correct. (a)



1 mark





2a + b = 8

16.

Write the three possible combinations of \boldsymbol{a} and \boldsymbol{b} One is done for you.







Which expression shows how much money Dev has left?

a is the amount of money, in pounds, that Dev gave away.



Tick **one**.

1 mark

Mark schemes



Award **TWO** marks for all three calculations completed correctly, as shown:



If the answer is incorrect, award **ONE** mark for two calculations correct.

II three	e correc	t
100		
1000		
or		
Any two	o correct	t
0.01	10	19.99
	or	
0.01	10	10,000
L	1	11
108		
0.01	10	10,000

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

750 ÷ 250 = 3
1,150 + 250 = 1,400
1,400 × 3

OR

750 ÷ 250 = 3 1,150 × 3 = 3,350 *(error)* 3,350 + 750

Award **ONE** mark for sight of 3450, 3.45 **OR** 3.450 (as evidence of correctly calculating how much yellow paint is required).

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

Up to 2m

[2]

6.

Award TWO marks for the correct answer of 3.75

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

- 60 ÷ 4 = 15
- 250 × 15 = 3750
- 3750 ml ÷ 1000 =

OR

- 250 ÷ 4 = 62.5 ml per second
- 62.5 × 60 = 3750
- 3750 ml ÷ 1000 =

OR

- 60 ÷ 4 = 15, so there are 15 lots of 4 seconds in 1 minute so there are 15 bottles per minute.
- There are 4 bottles in 1 litre
- 15 ÷ 4 =

Accept for **TWO** marks, 3,750 ml for final answer in working and the answer box blank **OR** 3,750 in the answer box where the litres has been replaced with millilitres.

Accept for **ONE** mark 3,750 litres (I) in the answer box **OR** the final answer in working and answer box blank.

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

St Cyprian's Greek Orthodox Primary Academy

Up to 2m

5.



7.

Award TWO marks for the correct answer of (£)10.50

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

• 70 × 15 ÷ 100

OR

• $10 \times 15 \div 100 = \pounds1.50$ $3 \times \pounds1.50 = \pounds4.50$ $\pounds15 - \pounds4.50$

OR

Award ONE mark for sight of (£)4.50

Answer need not be obtained for the award of **ONE** mark. Award **ONE** mark for a final answer of (£)10.5 **OR** (£)105 **OR** (£)1050 as evidence of an appropriate method. Refer to section 2.1 on pages 8 and 9 for additional guidance on marking answers involving money (see Resource).

9. £140
Do not accept 140%
[1]
10. £11.25
Award ONE mark for:

Award ONE mark for:
Accept equivalent fractions or an exact decimal equivalent, e.g.
0.16 (accept any unambiguous indication of the recurring digits).
Do not accept rounded or truncated decimals.

[1]

[2]

Up to 2m

12. ^(a)

Gives a pair of numbers to make the calculation correct, eg:

Accept the following

$$\begin{array}{c} 1 \\ -10 \\ + 5 \\ \hline \\ -10 \\ + 5 \\ \hline \\ -2 \\ + 5 \end{array}$$

Do not accept use of non-integers, eg:

1

1

(b) Gives a **different** pair of numbers to make the calculation correct

13.

Numbers circled as shown:



Accept alternative unambiguous positive indications, e.g. numbers ticked or underlined.

[1]

[2]

14.

Numbers in order as shown:



15. 0.993

[1]

[1]

Award **TWO** marks for both correct combinations, as shown.





Award **ONE** mark for either combination correct, i.e.



OR

17



17.

[2]

U1

[1]



Award **ONE** mark for the correct box ticked, as shown:



Accept alternative unambiguous positive indication of the correct answer, e.g. Y.