

1 Write one number from each circle to make this calculation correct.

$\boxed{} \times \boxed{} - \boxed{} = 0$

1 mark

2 $16 \div 1 =$

1 mark

3 The signs are missing from these number sentences.

Write in the missing signs, + - \times or \div

The first has been done for you.



6 \times 5 = 40 $-$ 10

20 \bigcirc 8 = 4 \bigcirc 7

21 \bigcirc 3 = 15 \bigcirc 8

2 marks

4 Write the missing numbers.

Factors of 20 = {1,,,,, 20}

1 mark

5 Here are four number cards.

3

12

7


4

Which two number cards are **factors of 42**?

 and

1 mark


6 Write in the missing digit.



$$\begin{array}{r} 5 \square \\ \times \quad 8 \\ \hline 456 \end{array}$$

1 mark

7 In the circle write +, −, ×, or ÷ to make the calculation correct.



$$18 \bigcirc 3 \times 5 = 30$$

1 mark

8 $12 \times 5 \times 6 =$

1 mark

9 4 pineapples cost £3.40



Calculate the cost of 1 pineapple.

Handwritten arrow

1 mark

10 Calculate 634×6

Handwritten arrow

1 mark

11 Write what the **three missing** digits could be.



$$\begin{array}{|c|c|} \hline & \\ \hline \end{array} \times 3 = \begin{array}{|c|c|} \hline 8 & \\ \hline \end{array}$$

1 mark

12 Josh thinks of a number.



He adds 4

He multiplies his result by 3

Then he takes away 9

His final answer is 90

What number did Josh start with?

Handwritten mark →

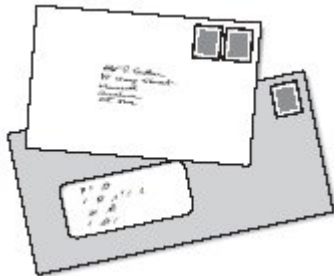
1 mark

13 Calculate **453 × 8**

Handwritten mark →

1 mark

14 Two letters have a total weight of **120 grams**



One letter weighs **twice as much** as the other.

Write the weight of the **heavier** letter.

Handwritten mark →

1 mark

15 Write all the factors of 30 which are **also** factors of 20

Handwritten mark →

2 marks

16

Dev has a bag of 50p coins and Holly has a bag of 20p coins.



Dev's bag



Holly's bag

Both bags have the same amount of money in.

There are **thirty** 50p coins in Dev's bag.

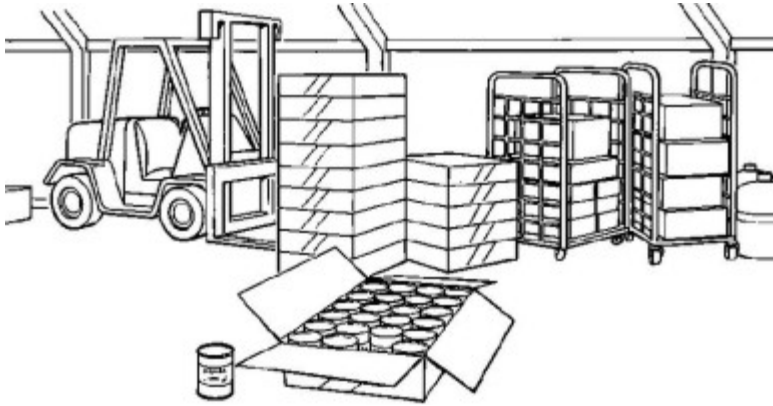
How many 20p coins are there in Holly's bag?

Show your method

A large grid for showing the method. On the left side, there is a rounded rectangular box containing the text "Show your method". The grid itself is 20 squares wide and 10 squares high. In the bottom right corner of the grid, there is a smaller rectangular box containing the text "20p coins".

2 marks

17



In a supermarket storeroom there are

7 boxes of tomato soup

5 boxes of pea soup

4 boxes of chicken soup

There are **24 tins** in every **box**.

How many **tins** of soup are there **altogether**?

Show
your
method

2 marks

Mark schemes

1 5 × 6 − 30

OR

5 × 8 − 40

[1]

2 16

[1]

3 (a)

20 ⊕ 8 = 4 ⊗ 7

1

(b)

21 ⊕ 3 = 15 ⊖ 8

1

[2]

4 2, 4, 5, 10

All correct, in any order for 1 mark.

[1]

5 Cards completed as shown:

3 and 7

Accept answers in either order.

[1]

6
$$\begin{array}{r} 5\boxed{7} \\ \times 8 \\ \hline 456 \end{array}$$

Accept 7 wherever it is written provided the intention is clear.

[1]

7 $18 \ominus 3 \times 5 = 30$

[1]

8 360

[1]

9 85

Accept £0.85p **OR** £0 85p
Do not accept 0.85p **OR** £85p

[1]

10 3804

[1]

11 $\begin{array}{|c|c|} \hline 2 & 7 \\ \hline \end{array} \times 3 = \begin{array}{|c|c|} \hline 8 & 1 \\ \hline \end{array}$
OR $\begin{array}{|c|c|} \hline 2 & 8 \\ \hline \end{array} \times 3 = \begin{array}{|c|c|} \hline 8 & 4 \\ \hline \end{array}$
OR $\begin{array}{|c|c|} \hline 2 & 9 \\ \hline \end{array} \times 3 = \begin{array}{|c|c|} \hline 8 & 7 \\ \hline \end{array}$

All boxes must be correct.

[1]

12 29

[1]

13 3624

[1]

14 80

[1]

15 Award **TWO** marks for all four factors, as shown:

1, 2, 5, 10

If the answer is incorrect, award **ONE** mark for:

- three factors correct and none incorrect

OR

- four factors correct and one incorrect.

Accept factors written in any order.

*All four factors and no incorrect numbers must be given for the award of **TWO** marks.*

Up to 2

[2]

16

Award **TWO** marks for the correct answer of 75

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

- $30 \times 50 = 1500$
 $1500 \div 20$

OR

- $30 \times 50\text{p} = \text{£}15$
5 20p coins make £1
 5×15

OR

- $50\text{p} \div 20\text{p} = 2.5$
 30×2.5

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

Up to 2

[2]

17

Award **TWO** marks for the correct answer of 384

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

$$7 + 5 + 4 = 16$$

$$16 \times 24$$

OR

$$7 \times 24$$

$$5 \times 24$$

$$\underline{+ 4 \times 24}$$

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

Up to 2

[2]