

Q1.

Joe has a box of 72 chocolates.



He gives 18 of the chocolates to his friends.

How many chocolates are left in the box?

1 mark

Holly has a box of mints.



She has 10 friends.

She gives them 5 mints each.

She has 13 mints left.

How many mints were in the box at the start?

1 mark

Q2.

Dev has three discs.



Each disc has a 7 on one side and an 8 on the other side.

He spins all the discs and adds the three scores together.

How many **different totals** can he get using the three discs?

1 mark

Q3.

The four sums below can be completed using only the numbers 1 to 8

Use each number **once** to complete the sums.

One sum has been done for you.

1 2 3 4 ~~5~~ ~~6~~ 7 8

$$1 + \boxed{5} + \boxed{6} = 12$$

$$2 + \boxed{} + \boxed{} = 12$$

$$3 + \boxed{} + \boxed{} = 12$$

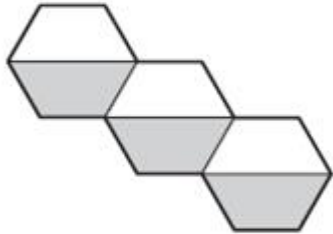
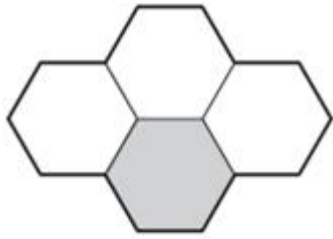
$$6 + \boxed{} + \boxed{} = 12$$

2 marks

Q4.

Here are three shapes made from regular hexagons.

Write the **fraction** of each shape that is shaded.



2 marks

Q5.

Dev has five coins.

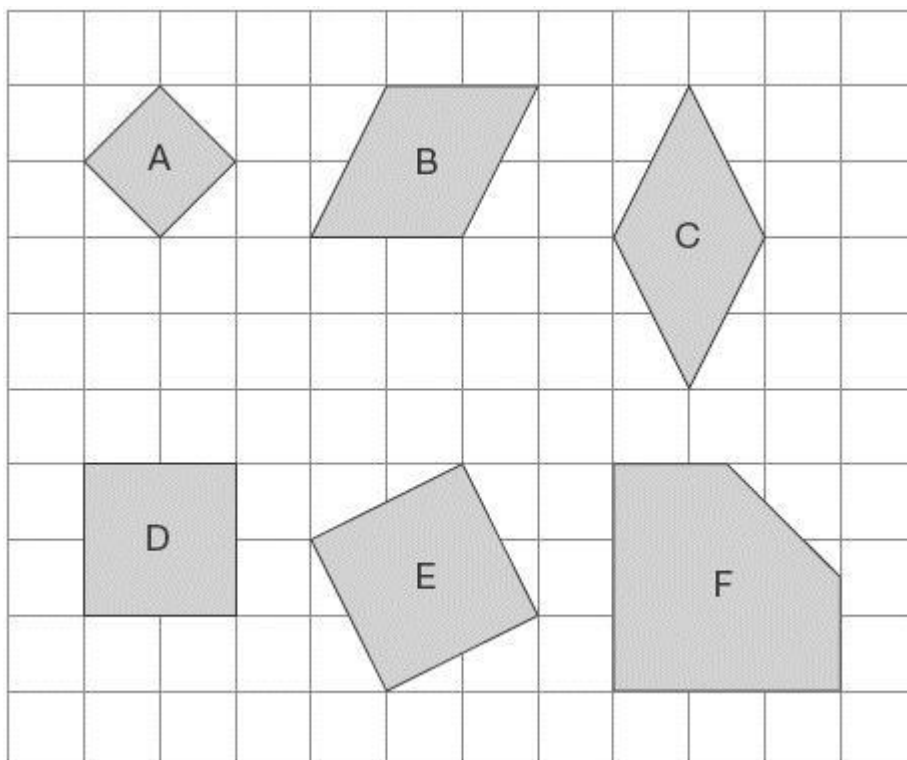
He has £1.60 altogether.

Write what the five coins could be.

1 mark

Q6.

Here are six shapes on a square grid.



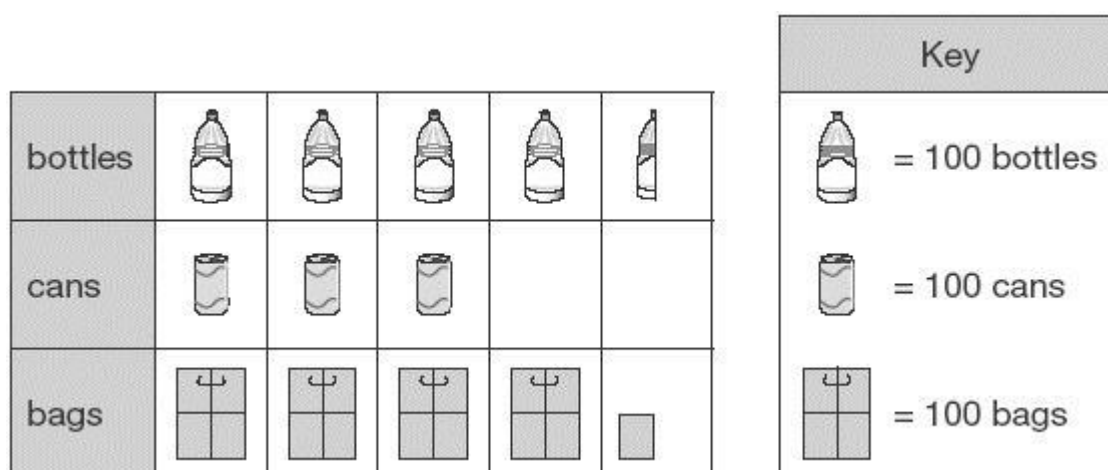
Write the letters of **all** the shapes that are squares.

1 mark

Q7.

Class 6 collect litter from a park.

This chart shows some of the litter they have collected so far.



How many bottles have Class 6 collected?

1 mark

How many **more** bags than cans have they collected?

1 mark

Q8.

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

Three circles containing numbers are shown above a calculation. Arrows point from the circles to the boxes in the calculation.

Circle 1: 3, 4, 5
Circle 2: 6, 7, 8
Circle 3: 30, 40, 50

$\times$ $-$ $= 0$

1 mark

Q9.

Kirsty, Seb and Mina made toffee apples to sell at the school fair.

They made **80** toffee apples altogether.



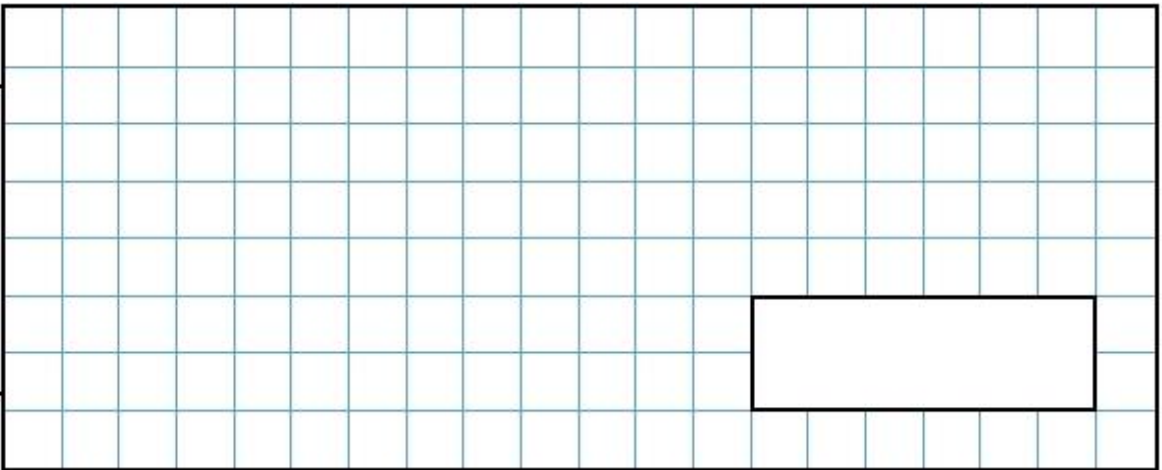
Kirsty sold **12** toffee apples.

Seb sold **25** toffee apples.

Mina sold **17** toffee apples.

How many toffee apples were left?

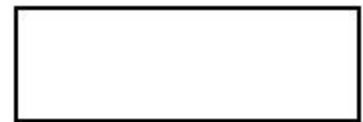
Show your method



2 marks

Kirsty sold her 12 toffee apples for 50p each.

How much money did she collect?



1 mark

Q10.

Mina thinks of a 3-D shape.

She says,

***'It has 5 faces.
Two opposite faces are triangles.
The other faces are rectangles.'***



What is the name of the 3-D shape?

_____ 1 mark

Mark schemes

Q1.

(a) 54

1

(b) 63

1

[2]

Q2.

4

*Accept 21 **AND** 22 **AND** 23 **AND** 24*

[1]

Q3.

Award **TWO** marks for all three pairs of numbers correct as shown:

$$\boxed{5} + \boxed{6}$$

$$\boxed{3} + \boxed{7}$$

$$\boxed{1} + \boxed{8}$$

$$\boxed{2} + \boxed{4}$$

If the answer is incorrect, award **ONE** mark for two pairs of numbers correct.

Numbers within pairs may be given in either order.

Up to 2 (U1)

[2]

Q4.

Award **TWO** marks for three fractions correct as shown:

$$\frac{1}{4}$$

AND

$$\frac{1}{2}$$

AND

$$\frac{1}{3}$$

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

Accept equivalent fractions, eg

$$\frac{3}{6} \text{ for } \frac{1}{2}$$

$$\frac{2}{6} \text{ for } \frac{1}{3}$$

Up to 2

[2]

Q5.

Five coins which total £1.60, ie

£1 20p 20p 10p 10p

OR

50p 50p 20p 20p 20p

OR

50p 50p 50p 5p 5p

Coins may be given in any order.

U1

[1]

Q6.

A AND D AND E

Letters may be given in any order.

[1]

Q7.

(a) 450

Accept an answer in the range 440 to 460 inclusive.

1

(b) 125

1

[2]

Q8.

$$\boxed{5} \times \boxed{6} - \boxed{30}$$

OR

$$\boxed{5} \times \boxed{8} - \boxed{40}$$

[1]

Q9.

- (a) Award **TWO** marks for the correct answer of 26

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

- $12 + 25 + 17 = 54$
 $80 - 54 = \text{wrong answer}$

OR

- $80 - 12 - 25 - 17 = \text{wrong answer}$
*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2

- (b) £6

1

[3]

Q10.

Triangular prism

Accept recognisable misspellings.
Accept prism.

[1]