

**Q1.** Round the following numbers.



**540** to the nearest 100

**236** to the nearest 10

$1\frac{3}{4}$  to the nearest whole number

2 marks

**Q2.** Circle the number that is **closest to 700**



750

72

651

69

770

1 mark

**Q3.** Write in the missing numbers.

One has been done for you.



rounded to the nearest  
whole number is



6.01



6

9.51



7.75



1 mark

**Q4.** Draw arrows.

rounded to the nearest **100** is



**1070**

**3700**

**8200**

**8225**

**3600**

**1100**

**3680**

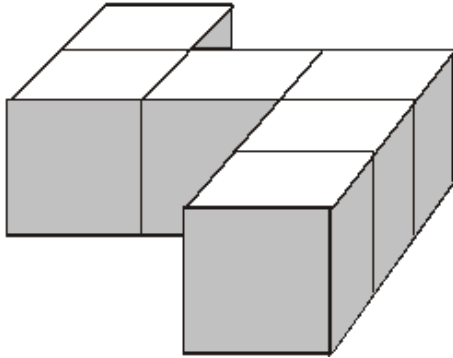
**8300**

**1000**

1 mark

**Q5.** Emily has 6 cubes.

She sticks them together to make this model.



She paints the sides of the model grey all the way round.

She leaves the top and the bottom of the model white.

How many of the cubes in the model have **exactly two** faces painted grey?

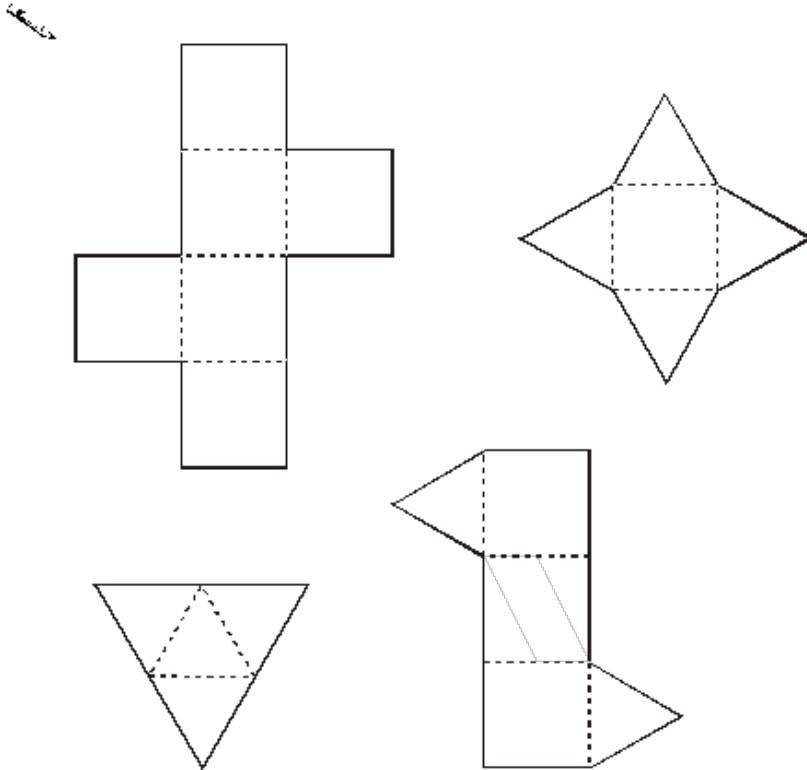
*Answer* →

1 mark

**Q6.** Here are some nets of shapes.

For each net, put a tick (✓) if it folds to make a **pyramid**.

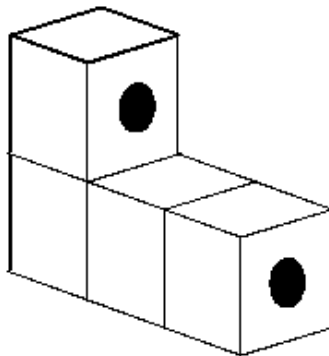
Put a cross (✗) if it does not.



1 mark

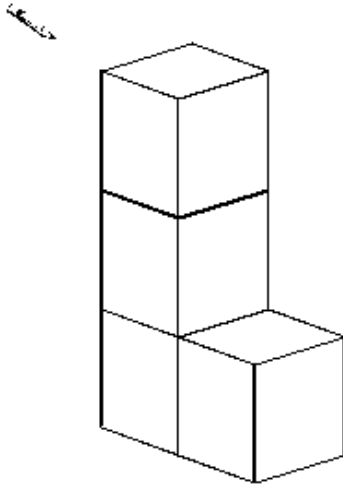
**Q7.** Tom makes this shape from four cubes stuck together.

Two circles are drawn on the shape.



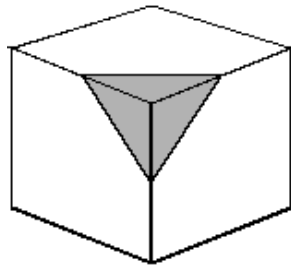
Tom moves the shape.

Draw the **circles** on the shape in its new position.



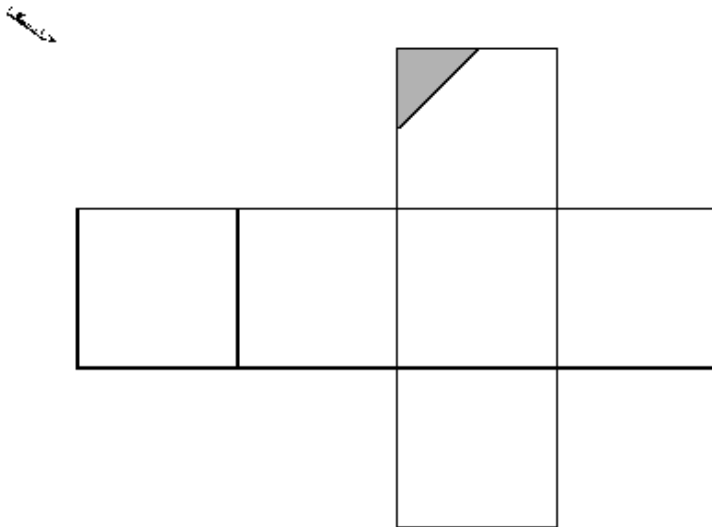
1 mark

**Q8.** A cube has shaded triangles on three of its faces.



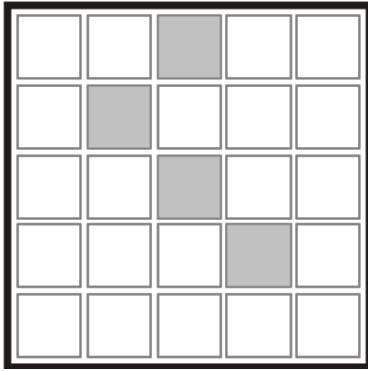
Here is the net of the cube.

Draw in the two missing shaded triangles.



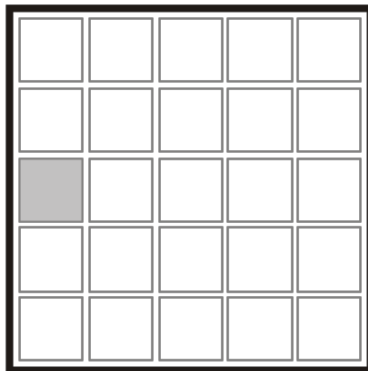
1 mark

**Q9.** Ben makes this design on a grid.



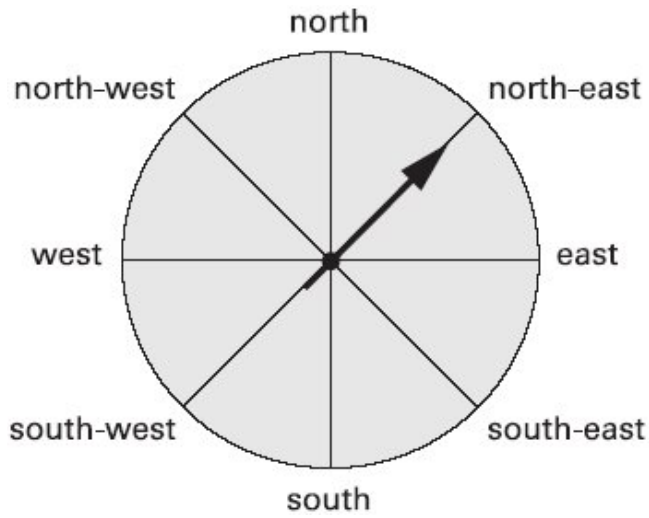
He rotates the grid to a new position.

Shade in the missing parts of the design.



1 mark

**Q10.** The arrow is pointing **north-east**.



The arrow is moved a **quarter turn clockwise**.

In which direction is the arrow pointing after it is moved?

.....

1 mark



**Q11.** Five children took part in a chess competition.

They each played six games.

This table shows how many games each child won, drew or lost.

	won	drew	lost
Alfie	1	3	2
Megan	2	2	2
Chen	3	3	0
Donna	4	0	2
Tom	0	5	1

How many children drew more games than they lost?



1 mark

Each child scores two points for a win,  
one point for a draw,  
no points for a loss.

Who scored the most points?

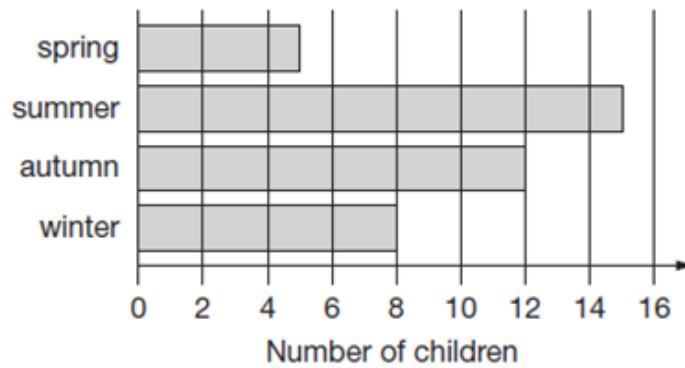


.....

1 mark

**Q12.** A survey was done to find out children's favourite season.

This chart shows the results.



How many more children chose autumn than chose spring?



1 mark

Kirsty says,

***'Exactly twice as many children chose summer as chose winter.'***

Is Kirsty correct?  
Circle **Yes** or **No**.



Yes / No

Explain how you know.



1 mark

**Q13.** The table below shows five journeys a taxi driver made one day.

journey number	start time	number of passengers	distance	cost
1	9:15 am	2	8 km	£7.50
2	9:40 am	1	12 km	£9.90
3	10:30 am	3	7 km	£7.60
4	10:50 am	1	21 km	£15.50
5	12:10 pm	4	15 km	£12.00

On journey number 5, the passengers shared the cost equally.

How much did **each** passenger pay?



1 mark

How many **passengers** made journeys of more than 10km?



1 mark

The 12km journey took 40 minutes.

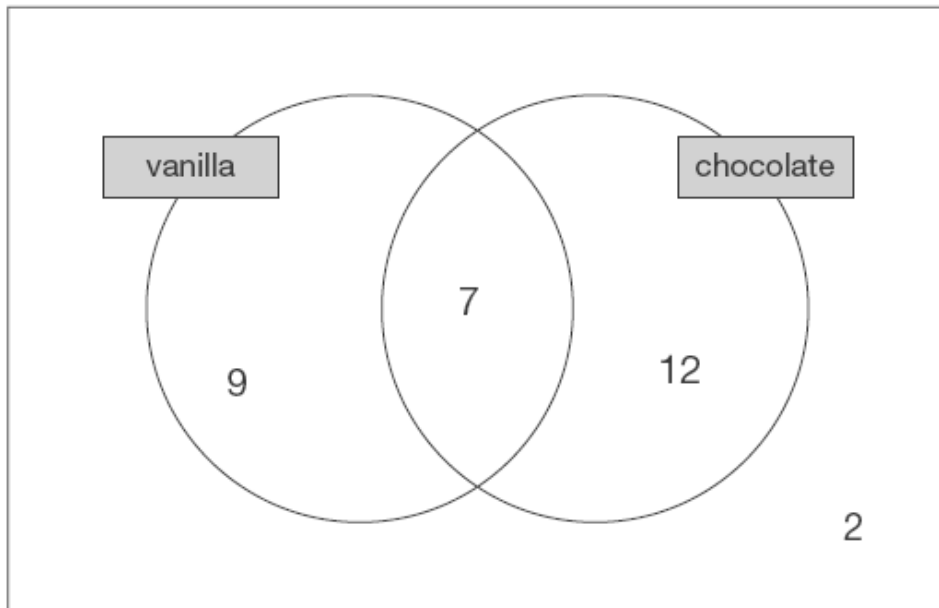
What time did the taxi finish its journey?



1 mark

**Q14.** Joe asked the children in his class which flavours of ice-cream they like.

He recorded the results in a Venn diagram.



How many children like chocolate ice-cream?

*Handwritten mark*

1 mark

How many children **do not** like vanilla ice-cream?

*Handwritten mark*

1 mark

**Q15.** This photograph shows three Russian dolls.



The real-life height of the **largest** Russian doll is **13.5 cm**.

What is the real-life height of the **smallest** Russian doll?



Show your working

cm

2 marks

**Q16.**

A gardener plants tulip bulbs in a flower bed.  
She plants 3 red bulbs for every 4 white bulbs.  
She plants 60 red bulbs.



How many **white** bulbs does she plant?



Show your method

2 marks

**Q17.** Here is a recipe for fruit smoothies.

**Recipe**


10 strawberries  
 $\frac{1}{2}$  litre of orange juice  
250ml yogurt  
1 banana

*Makes two smoothies*



Stefan uses the recipe to make smoothies.  
He uses 1 litre of yogurt.

How many strawberries does he use?



1 mark

Amir uses the same recipe.

He wants to make 5 smoothies.  
He has 1 litre of orange juice.

How many **more** millilitres of orange juice does he need?



Show your **method**.  
You may get a mark.

ml

2 marks

Q18.



Sapna and Robbie have some biscuits.

Altogether they have **14** biscuits.

Sapna has **2 more** biscuits than Robbie.

How many biscuits do Sapna and Robbie each have?

Sapna

Robbie

1 mark

Q19.



Cheddar cheese costs £7.50 for 1kg.

Marie buys 200 grams of cheddar cheese.

How much does she pay?

£


1 mark

Cream cheese costs £3.60 for 1kg.

Robbie buys a pot of cream cheese for 90p.



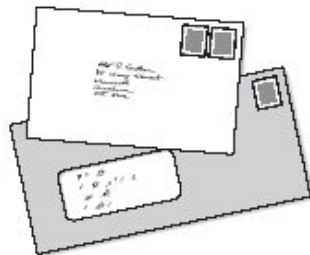
How many grams of cream cheese does he buy?

 Show your **working**. You may get a mark 

g

2 marks

**Q20.** 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.



g

1 mark



