


Please check the examination details below before entering your candidate information			
Candidate surname		Other names	
Centre Number		Candidate Number	
<h2 style="margin: 0;">Edexcel Mock Test Papers -Paper1</h2> <h3 style="margin: 0;">Test1</h3>			
Morning (Time: 1 hour 30 minutes)		Paper 1F	
<h2 style="margin: 0;">Mathematics</h2> <h3 style="margin: 0;">PAPER 1 (Non-Calculator)</h3> <h3 style="margin: 0;">Foundation Tier</h3>			
You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser, Formulae Sheet (enclosed). Tracing paper may be used.			Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working**.
Diagrams are **NOT** accurately drawn, unless otherwise indicated.
Calculators may not be used.

Information•

- The total mark for this paper is 80 The marks for **each** question are shown in brackets – *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
Check your answers if you have time at the end.

Turn over ►

Answer ALL questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 Write $\frac{5}{100}$ as a percentage.

..... %

(Total for Question 1 is 1 mark)

2 Write the following numbers in order of size.
Start with the smallest number.

6 -9 -10 2 0 -4

.....

(Total for Question 2 is 1 mark)

3 Write $\frac{6}{1000}$ as a decimal.

.....

(Total for Question 3 is 1 mark)

4 Write 599 correct to the nearest ten.

.....

(Total for Question 4 is 1 mark)

5 Write down the value of 6^3

.....

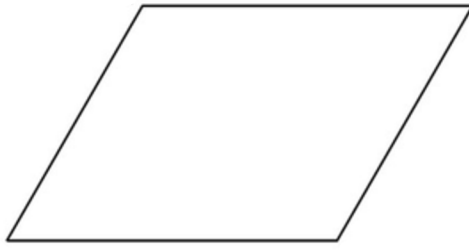
(Total for Question 5 is 1 mark)

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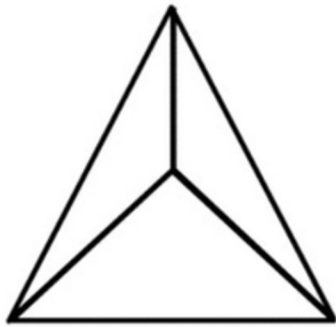
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- 6 (a) Write down the mathematical name of this quadrilateral.



.....
(1)

- (b) Write down the mathematical name of this 3-D shape.



.....
(1)

(Total for Question 6 is 2 marks)

- 7 £64 is shared equally between 4 friends.

How much does each friend get?

£.....

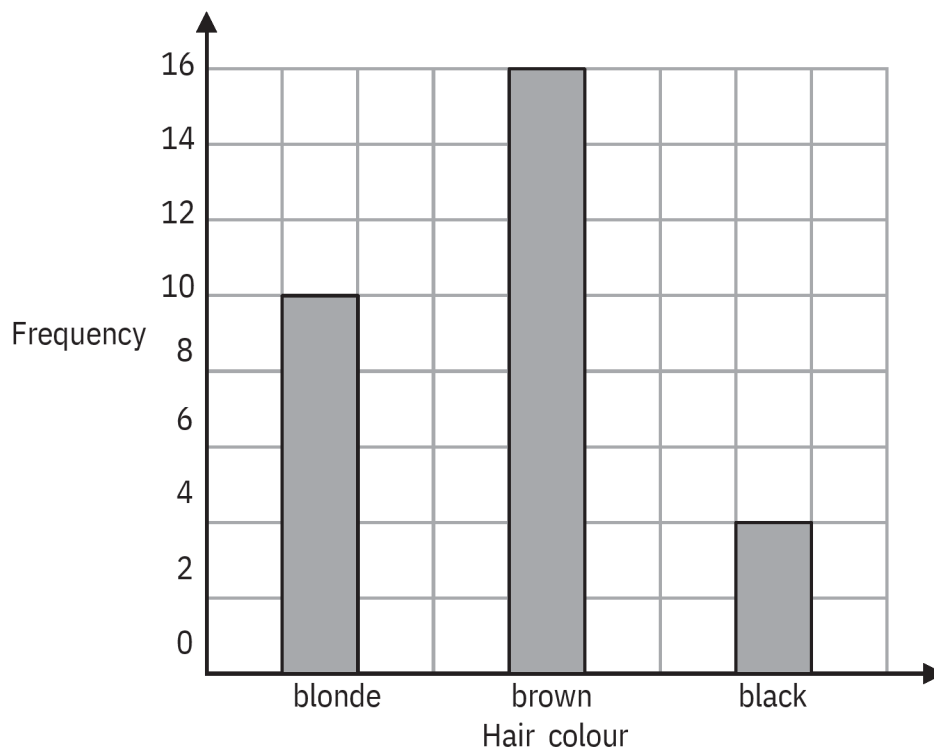
(Total for Question 7 is 2 marks)

8 Samara recorded the hair colour of each of the students in her class.

The frequency table below shows her results.

Hair colour	Frequency
Blonde	12
Brown	16
Black	4

Samara then drew the bar chart below for this information.



Write down one thing that is wrong with this bar chart.

.....

.....

.....

(Total for Question 8 is 1 mark)

- 9 James buys,
- 2 packets of Chocolates for £4.25
 - 1 Muffin for £1.25
 - 2 packets of Cookies for £4.30 each packet

James pays with a £20 note.

He says,
“I should get £8.45 change.”

Is James correct?

You must show how you get your answer.




(Total for Question 9 is 3 marks)

- 10 Eeshu records the temperature in her garden over three days in autumn.
- On Thursday, the temperature was 12°C .
- On Friday, the temperature was 6° higher than the temperature on Thursday.
- On Saturday, the temperature was 4° lower than the temperature on Friday.
- Find the difference between the temperature on Thursday and the temperature on Saturday.
- You must show all your working.

..... $^{\circ}\text{C}$

(Total for Question 10 is 2 marks)

- 11 The pictogram shows information about the number of mobiles sold in a shop on Monday, on Tuesday and on Wednesday.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

Key:

 represents 4 mobiles

- (a) How many mobiles were sold on Monday?

.....
(1)

More mobiles were sold on Tuesday than on Wednesday.

- (b) How many more?

.....
(2)

On Thursday and Friday, a total of 45 mobiles were sold in the shop.

$\frac{1}{5}$ of these 45 mobiles were sold in the shop on Thursday.

- (c) Complete the pictogram for Thursday and Friday.

.....
(3)

(Total for Question 11 is 6 marks)

12 There are two sports clubs in a community center.

In one club there are 24 adults and 32 children.

In the other club, $\frac{2}{5}$ of the members are adults and the rest of the members are children.

Elsa says,

“The ratio of the number of adults to the number of children is the same for both clubs”

Is Elsa correct?

You must show how you get your answer.

(Total for Question 12 is 3 marks)

13 A number sequence starts 3 6 12

Eeshu says that the next term is 24

(a) Explain why Eeshu may be correct.

(1)

Here are the first four terms of the sequence of square numbers.

1 4 9 16

(b) Find the 9th term of this sequence.

(2)

(Total for Question 13 is 3 marks)

- 14 4 kg of potatoes cost £4.80
2 kg of potatoes and 5 kg of tomatoes cost a total of £6.85
Work out the total cost of 3 kg of potatoes and 2 kg of tomatoes .
You must show all your working.

£.....

(Total for Question 14 is 4 marks)

15 (a) Expand $4(a - d)$

.....
(1)

(b) Factorise $8y^2 + 4y$

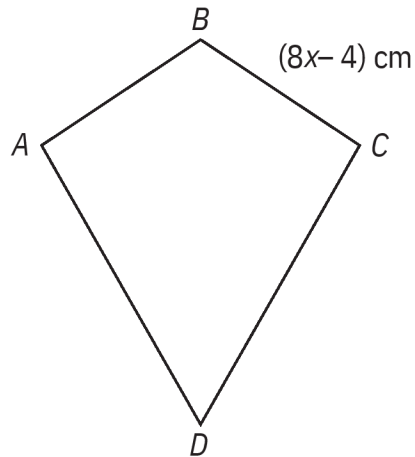
.....
(1)

(c) Solve $5x + 5 = 45$

$x =$
(2)

(Total for Question 15 is 4 marks)

16 $ABCD$ is a kite.



$$BC = (8x - 4) \text{ cm}$$

Georgia says that x could be 0.5

(a) Explain why Georgia cannot be correct.

(1)

$$AD = 3BC$$

The kite has a perimeter of 32 cm.

(b) Find the value of x .

$$x = \dots\dots\dots$$

(3)

(Total for Question 16 is 4 marks)

17 Stanley wants to make some cupcakes using this recipe.

Makes 15 Cupcakes

200 g butter

240 g flour

90 g sugar

Stanley thinks that he has,

600 g butter

800 g flour

300 g sugar

Assuming that these weights are correct,

- (a) work out the greatest number of cupcakes Stanley can make.
You must show all your working.

.....
(4)

Stanley is wrong. He has more than 180 g of sugar.

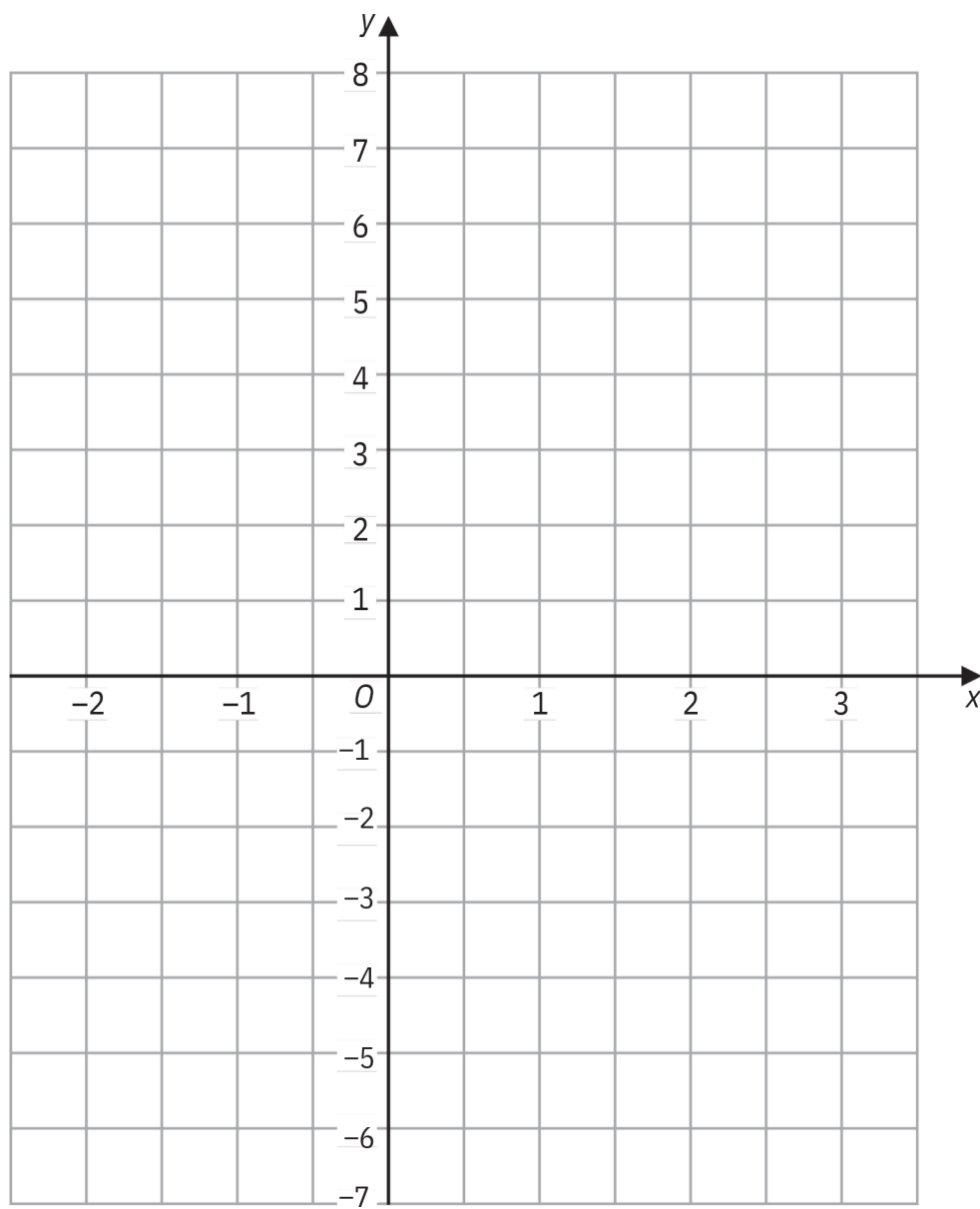
- (b) Does this affect the greatest number of cupcakes Stanley can make?

Give a reason for your answer.

.....
.....
.....
(1)

(Total for Question 17 is 5 marks)

18 On the grid below, draw the graph of $y = x - 2$ for values of x from -2 to 3



(Total for Question 18 is 3 marks)

- 19 Sarah buys a bicycle for £240
She sells the bicycle for £192
Work out her percentage loss.

..... %

(Total for Question 19 is 3 marks)

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20 (a) Work out 4.57×6.2

.....
(3)

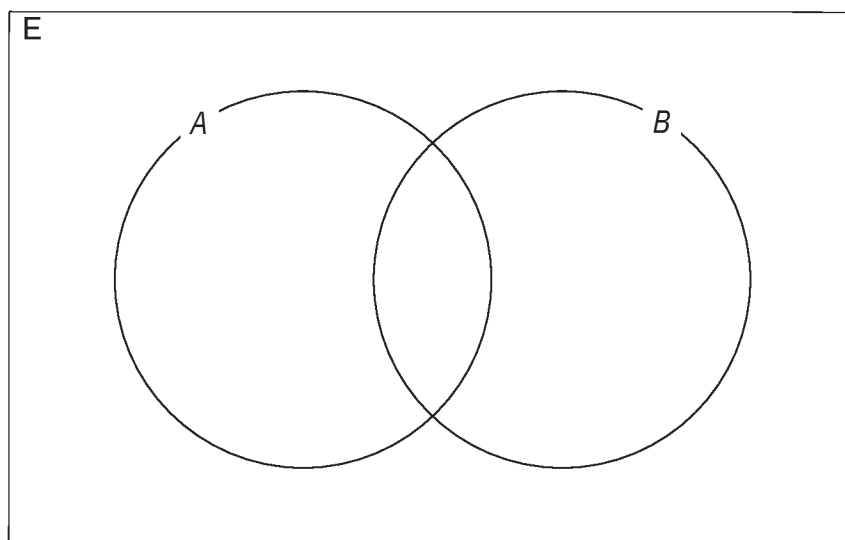
(b) Work out $77.35 \div 0.7$

.....
(3)

(Total for Question 20 is 6 marks)

- 21 $E = \{\text{even numbers less than } 26\}$
 $A = \{4, 8, 12, 16, 20, 24\}$
 $B = \{3, 6, 8, 9, 12\}$

Complete the Venn diagram for this information.



(Total for Question 21 is 3 marks)

- 22 Work out $3\frac{1}{6} - 2\frac{3}{5}$

Give your answer as a mixed number.

(Total for Question 22 is 3 marks)

- 23 At the end of 2019
the value of Vishi's house was £390 000
the value of Aarha's house was £260 000

At the end of 2024
the value of Vishi's house had decreased by 20%
the value of Aarha's house had increased by 10%

At the end of 2024, whose house had the greater value?
You must show how you get your answer.

(Total for Question 23 is 4 marks)

24 Eeshu, Bethany and Isabelle collect stickers.

number of stickers : number of stickers : number of stickers
Eeshu has : Bethany has : Isabelle has = 6 : 4 : 2

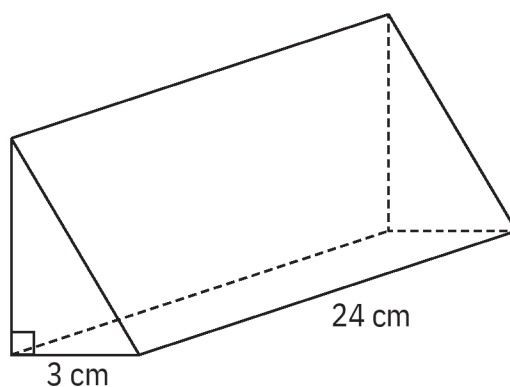
Eeshu has 16 more stickers than Bethany.

Eeshu has more stickers than Isabelle.

How many more?

.....
(Total for Question 24 is 3 marks)

- 25 The diagram shows a prism.



The cross section of the prism is a right-angled triangle.

The base of the triangle has length 3 cm

The prism has length 24 cm

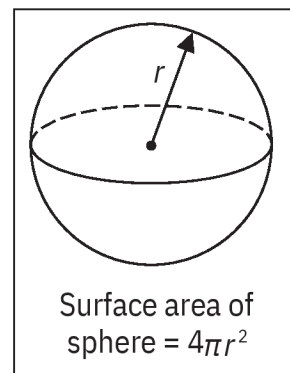
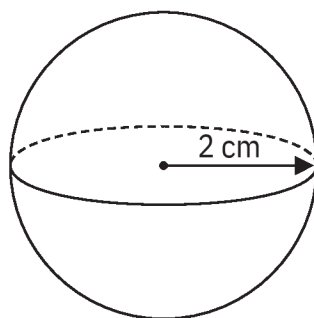
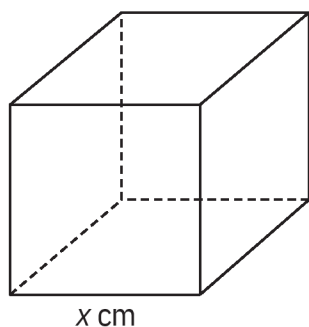
The prism has volume 720 cm^3

Work out the height of the prism.

..... cm

(Total for Question 25 is 3 marks)

- 26 The diagram shows a cube with edges of length x cm and a sphere of radius 2 cm.



The surface area of the cube is equal to the surface area of the sphere.

Show that $x = k\sqrt{\pi}$ where k is an integer.

(Total for Question 26 is 4 marks)

- 27 Vishi measured the length of a pen as 5.6 cm correct to 1 decimal place.

Complete the error interval for the length, p cm, of the pen.

..... $\leq p <$

(Total for Question 27 is 2 marks)

28 The equation of a straight line L is $y = 5 + 5x$

(i) Write down the gradient of L .

.....
(1)

(ii) Write down the coordinates of the point where L crosses the y -axis.

(.....)
(1)

(Total for Question 28 is 2 marks)

TOTAL FOR PAPER IS 80 MARKS