

Answer ALL TWENTY FIVE questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

- 1 The table shows the average annual rainfall, in mm, for each of five countries.

Country	Average annual rainfall (mm)
Colombia	3240
Jamaica	2051
Brazil	1761
Japan	1668
France	867

- (a) Write the number 2051 in words.

.....  
(1)

- (b) Write the number 1668 correct to the nearest hundred.

.....  
(1)

The average annual rainfall for Colombia is more than the average annual rainfall for Brazil.

- (c) How much more?

..... mm  
(1)

The average annual rainfall for Nigeria was 283 mm more than the average annual rainfall for France.


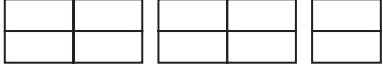

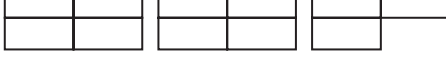
- (d) Work out the average annual rainfall for Nigeria.

..... mm  
(1)

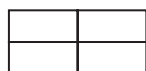
(Total for Question 1 is 4 marks)



- 2 The pictogram shows information about the number of text messages Colin sent on each of four days last week.

<b>Monday</b>	
<b>Tuesday</b>	
<b>Wednesday</b>	
<b>Thursday</b>	
<b>Friday</b>	

**Key:**



represents 8 text messages

- (a) How many text messages did Colin send on Tuesday?

.....  
(1)

- (b) Work out the total number of text messages that Colin sent on the four days from Monday to Thursday last week.

.....  
(2)

On Friday, Colin sent 26 text messages.

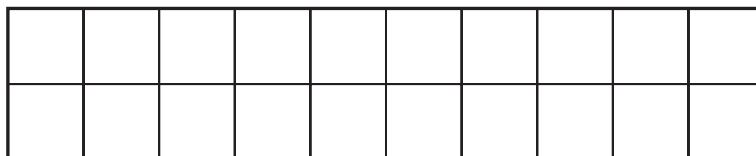
- (c) Show this information on the pictogram.

(1)

**(Total for Question 2 is 4 marks)**



3 Here is a rectangle made from squares.



(a) Shade 0.7 of the rectangle.

(1)

(b) Write down the value of the 2 in the number 3.289

.....  
(1)

(c) Write  $\frac{5}{8}$  as a decimal.

.....  
(1)

(d) Write these numbers in order of size.  
Start with the smallest number.

2.803

2.008

2.081

2.83

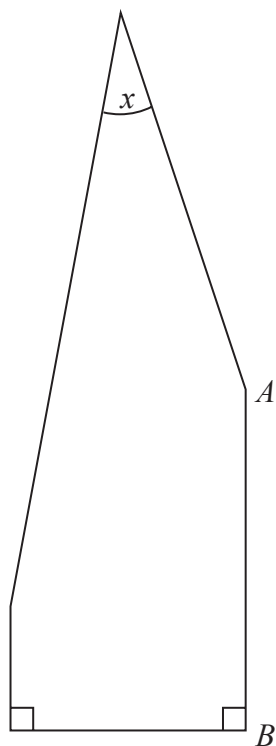
2.8

.....  
(2)

**(Total for Question 3 is 5 marks)**



- 4 The diagram shows a 5-sided polygon.



- (a) Measure the length of the side  $AB$   
Give the units of your answer.

.....  
(2)

- (b) Measure the size of the angle marked  $x$

.....  
(1)

- (c) On the diagram, mark with arrows ( $\gg$ ) a pair of parallel sides.

(1)

- (d) Write down the mathematical name of a 5-sided polygon.

.....  
(1)

(Total for Question 4 is 5 marks)



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

5 Angelina buys

- 3 packets of seeds at \$2.45 each packet
- 2 bags of compost at \$6.20 each bag
- and 4 plant pots

Each plant pot costs the same amount of money.

Angelina paid a total of \$34.35 for the seeds, compost and plant pots.

Work out the cost of each plant pot.

\$.....

(Total for Question 5 is 4 marks)



- 6 Bohai works in a shop that sells mobile phones.  
Last week he sold one mobile phone to each of 300 customers.

The incomplete two-way table shows some information about these mobile phones.

	32 GB	64 GB	128 GB	Total
type A	75		83	195
type B		29		
Total	127			300

- (a) Complete the two-way table.

(3)

Bohai selects at random one of these 300 customers.

- (b) Write down the probability that this customer bought a type **B**, 64 GB mobile phone.

.....  
(1)

Bohai now selects at random one of the customers who bought a type **A** phone last week.

- (c) Write down the probability that this customer bought a 128 GB mobile phone.

.....  
(2)

(Total for Question 6 is 6 marks)



7 (a) Solve  $5x = 30$

$x = \dots\dots\dots$   
(1)

(b) Solve  $y - 7 = 12$

$y = \dots\dots\dots$   
(1)

(c) Simplify  $h + h + h + h + h$

$\dots\dots\dots$   
(1)

(d) Simplify  $5a + 7f - 2a + 4f$

$\dots\dots\dots$   
(2)

**(Total for Question 7 is 5 marks)**

8 Mairi has a 2 metre length of string.  
She cuts from the string as many lengths of 35 centimetres as possible.

Work out the length of string that she has left.  
Give your answer in centimetres.

$\dots\dots\dots$  cm

**(Total for Question 8 is 3 marks)**

