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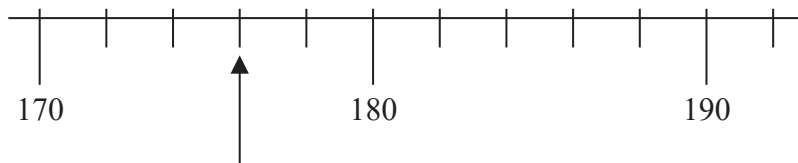
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Answer ALL TWENTY FIVE questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

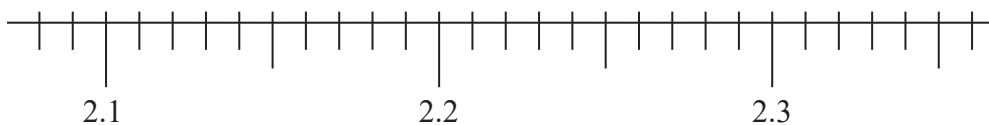
1 (a)



Write down the number marked with the arrow.

.....
(1)

(b) (i)



Mark with an arrow (↑) the number 2.28

(ii) Write a number on the dotted line to make the calculation correct.

$$2.18 + \text{.....} = 2.26$$

(2)

(c) Write these decimals in order of size.
Start with the smallest decimal.

0.063 0.6 0.07 0.77 0.0011

.....
(1)

(d) Find the number that is exactly halfway between 12.9 and 13.7

.....
(2)

(Total for Question 1 is 6 marks)



2 (a) Complete the following sentences by writing a sensible metric unit on each of the dotted lines.

(i) The amount of water in a glass is 200

(ii) The width of a book is 16

(2)

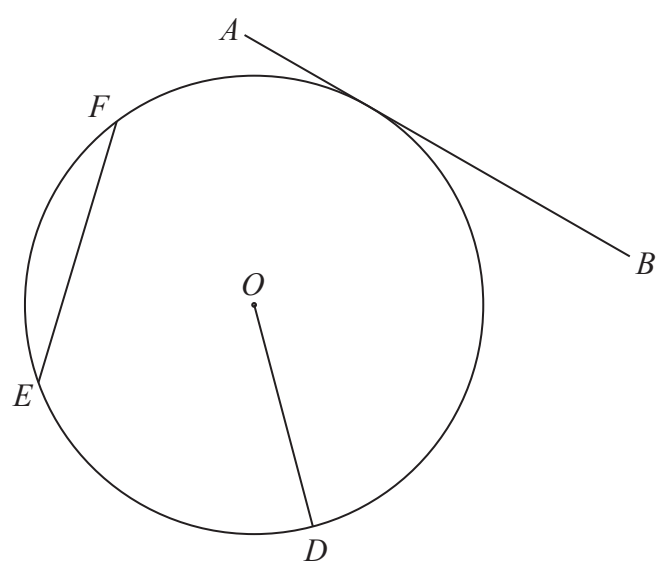
(b) Change 4.3 kilometres into metres.

.....metres

(1)

(Total for Question 2 is 3 marks)

3



The diagram shows a circle, centre O .
 D , E and F are points on the circle.
The line AB touches the circle.

Write down the mathematical name for the line

(i) AB

.....

(ii) OD

.....

(iii) EF

.....

(Total for Question 3 is 3 marks)



4 (a) Write the number **six thousand and seventy nine** in digits.

.....
(1)

(b) Write down the value of the 4 in the number 9417

.....
(1)

(c) Write the number 72.163 correct to 1 decimal place.

.....
(1)

(d) Write down two multiples of 18

..... and
(1)

(e) Write 0.7 as a percentage.

..... %
(1)

(f) Write brackets in this calculation so that the answer is correct.

$25 + 3 \times 7 - 2 = 40$ (1)

Here is a list of numbers.

- 9235 9842 6386 8607 9417

(g) Write down the smallest odd number in the list.

.....
(1)

(Total for Question 4 is 7 marks)



- 5 Mahtab asks the students in her class how many brothers they each have. Here are her results.

2 1 3 4 1 0 0 2 3 1
2 2 3 1 1 0 2 4 1 1

- (a) Complete the frequency table for her results.

Number of brothers	Tally	Frequency
0		
1		
2		
3		
4		

(2)

- (b) Write down the modal number of brothers.

.....
(1)

- (c) Write down the fraction of these students who have no brothers.

.....
(1)

(Total for Question 5 is 4 marks)



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6 The table shows the lowest temperature on one day in December for each of six cities.

City	Temperature in °C
Athens	9
Barcelona	6
Bucharest	-3
Kazan	-12
Kiev	-5
Moscow	-9

(a) Which of these cities had the lowest temperature?

.....
(1)

(b) Work out the difference between the lowest temperature in Barcelona and the lowest temperature in Moscow.

..... °C
(1)

In Podgorica, the lowest temperature was 14 °C higher than the lowest temperature in Bucharest.

(c) Work out the lowest temperature in Podgorica.

..... °C
(1)

(Total for Question 6 is 3 marks)



7 Ahmed buys a rake and some packets of seeds.

The rake costs \$19.50

Each packet of seeds costs \$1.99

Ahmed pays with two \$20 notes and receives \$8.56 change.

Work out the number of packets of seeds Ahmed buys.

.....
(Total for Question 7 is 4 marks)

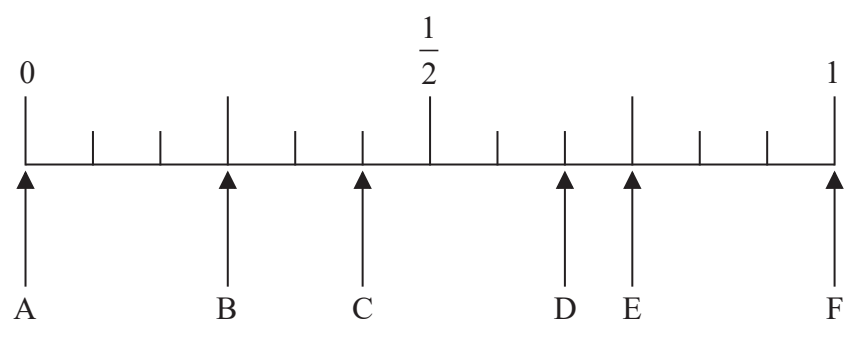
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8 A box contains 3 red bricks, 2 yellow bricks and 7 orange bricks.
There are no other bricks in the box.



Edward is going to take at random a brick from the box.

Write down the letter of the arrow that points to the probability that he takes

(i) a red brick,

.....

(ii) a yellow brick or an orange brick,

.....

(iii) a brick that is **not** blue,

.....

(iv) a green brick.

.....

(Total for Question 8 is 4 marks)



9 Tim arrived at an airport in Boston at 4 45 pm.

(a) Write this time using the 24-hour clock.

.....
(1)

Tim caught a plane to New York from Boston.

The plane left at 6 55 pm.

(b) Work out how many minutes it was from the time when Tim arrived at the airport to the time when the plane left.

.....minutes
(1)

The plane left Boston at 6 55 pm.

The plane took 1 hour 24 minutes to reach New York.

(c) What was the time in Boston when the plane reached New York?

.....
(1)

(Total for Question 9 is 3 marks)

