

DO NOT WRITE IN THIS AREA

Answer all TWENTY FIVE questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1

8	9	17	35	48	80
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From the numbers in the box, write down

(a) a factor of 40

.....
(1)

(b) a multiple of 7

.....
(1)

(c) a prime number

.....
(1)

(d) a square number

.....
(1)

(e) the two numbers with a difference of 31

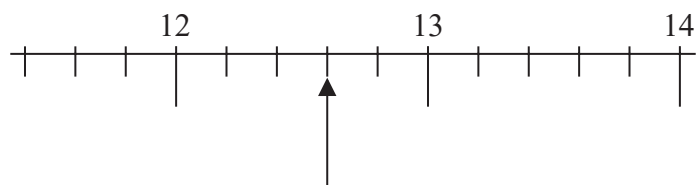
..... and

(1)

(Total for Question 1 is 5 marks)



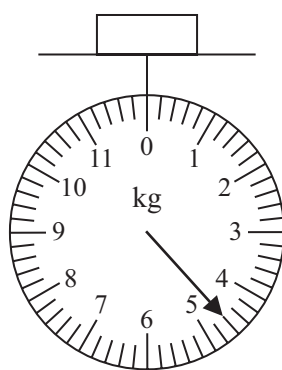
2 The diagram shows part of a number line.



(a) Write down the number marked with the arrow.

.....
(1)

The diagram shows a parcel on weighing scales.



The parcel weighs less than 6 kg.

(b) How many kilograms less?

..... kilograms
(1)

(c) Change 7.6 metres into centimetres.

..... centimetres
(1)

(d) Change 91 600 millilitres into litres.

..... litres
(1)

Ivan goes to the gym at 7 15 pm.

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

.....
(1)

(Total for Question 2 is 5 marks)



3 Find the number that is exactly halfway between 3.7 and 6.1

.....

(Total for Question 3 is 2 marks)

4 (a) Simplify $3 \times 10d$

.....

(1)

(b) Simplify $8e + e - 5e$

.....

(1)

(c) Solve $6g = 42$

$g =$

(1)

(d) Solve $24 = 10 + h$

$h =$

(1)

(Total for Question 4 is 4 marks)



5 (a) Write these numbers in order of size.

Start with the smallest number.

2.08

2.13

2.7

2.0034

2.111

.....
(1)

(b) Write 5.8394 correct to 2 decimal places.

.....
(1)

(c) Write 0.73 as a fraction.

.....
(1)

(d) Write down the value of the 6 in the number 0.067

.....
(1)

(e) Write 17% as a decimal.

.....
(1)

70% of a number is 252

(f) Work out the number.

.....
(2)

(Total for Question 5 is 7 marks)



- 6 Janine has 2 litres of orange squash.

She also has some empty cups.

When full, each cup holds 300 millilitres of orange squash.

Janine fills as many cups as possible.

How much orange squash does Janine have left after filling as many cups as possible?

State the units of your answer.

.....
(Total for Question 6 is 3 marks)

- 7 The diagram shows a rectangle and a square.

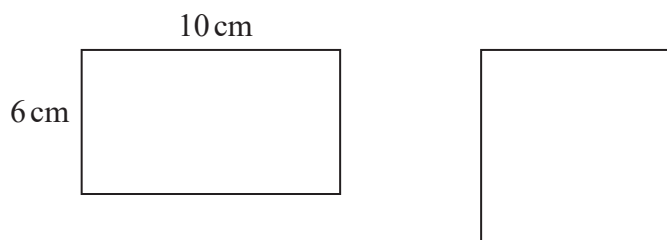


Diagram **NOT**
accurately drawn

The perimeter of the rectangle is equal to the perimeter of the square.

The area of the rectangle is less than the area of the square.

Work out by how much the area of the rectangle is less than the area of the square.

.....cm²

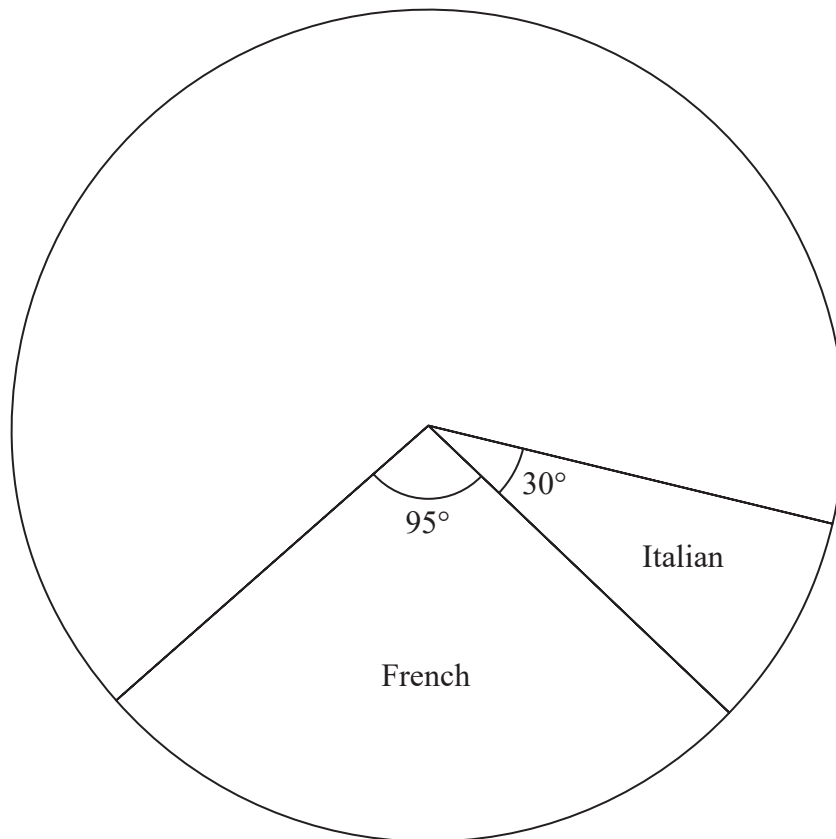
(Total for Question 7 is 4 marks)



- 8 Some students leaving a language school one day were each asked which language lesson they had just attended.

The table and the pie chart give some information about their answers.

Language	Frequency	Angle in pie chart
Italian	24	30°
French		95°
Arabic	48	
English		
Spanish	80	



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(a) Work out the number of students who answered French.

.....
(2)

(b) Complete (i) the table and (ii) the pie chart.

(3)

(Total for Question 8 is 5 marks)

