

Number and Measure
Level 1
Section A
(Calculator)

Tuesday 7 January 2020 – Morning

Time: 1 hour plus your additional time allowance.

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

YOU MUST HAVE

Ruler, protractor, writing and drawing equipment, calculator.

YOU WILL BE GIVEN

Diagram Book

INSTRUCTIONS

Answer ALL questions.

Answer the questions in the spaces provided in this Question Paper or on the separate diagrams – there may be more space than you need.

CALCULATORS MAY BE USED.

If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.

INFORMATION

The total mark for this section is 50

**The marks for EACH question are shown in brackets
– use this as a guide as to how much time to spend on
each question.**

**You may be provided with a model for Question 7
It is NOT accurate.**

There may be spare copies of some diagrams.

ADVICE

**Read each question carefully before you start to
answer it.**

Keep an eye on the time.

Try to answer every question.

Check your answers if you have time at the end.

Section A

Answer ALL questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

- 1. (a) Use your calculator to work out**

$$16 \cdot 9 - 8 \cdot 47 + 3 \cdot 07$$

(1 mark)

- (b) Use your calculator to work out**

185 × 8.2

(1 mark)

(continued on the next page)

Turn over

1. continued.

(c) Use your calculator to work out

$$18.51 \div 0.03$$

(1 mark)

(Total for Question 1 is 3 marks)

2. (a) Write

$\frac{3}{4}$ as a decimal.

(1 mark)

(b) Write

12.63 correct to one decimal place.

(1 mark)

(Total for Question 2 is 2 marks)

3. (a) Work out

$$\frac{4}{5} \text{ of } 340$$

(2 marks)

(b) Work out

$$\frac{2}{17} \times 6$$

Give your answer as a fraction.

(1 mark)

(continued on the next page)

Turn over

3. continued.

(c) Find

30% of 920

(2 marks)

(Total for Question 3 is 5 marks)

4. Look at the information for Question 4 in the Diagram Book.

It shows eight numbers.

- (a) From the eight numbers, write down a multiple of 7

(1 mark)

- (b) From the eight numbers, write down a common factor of

24 and 32

(1 mark)

(continued on the next page)

4. continued.

- (c) From the eight numbers, write down
two numbers to make a correct calculation
(1 mark)

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = 420$$

(Total for Question 4 is 3 marks)

5. (a) Work out

3 metres 46 cm + 4 metres 32 cm – 2 metres 29 cm

(2 marks)

(continued on the next page)

Turn over

5. continued.

(b) Change

4300 millilitres to litres.

(1 mark)

_____ litres

(c) How many weeks and days is **58** days?

(2 marks)

_____ weeks _____ days

(Total for Question 5 is 5 marks)

Turn over

6. Azmol bought

5 birthday cards at £1·49 each

3 sheets of gift wrap at 59 pence each

1 roll of sticky tape at £2·31

He paid with a £20 note.

How much change should Azmol get?

£ _____

(Total for Question 6 is 4 marks)

7. Look at the model or at the diagram for Question 7 in the Diagram Book.

They show a cuboid.

You may be provided with a model.

The cuboid is **9** metres long, **6** metres wide and **7** metres high.

Work out the volume of the cuboid.

_____ m^3

(Total for Question 7 is 2 marks)

8. Look at the table for Question 8 in the Diagram Book.

It shows part of a calendar for June 2018

The dates from Friday 22nd to Saturday 30th June have been filled in.

- (a) What day of the week was the 1st June 2018?
(1 mark)

Sadie had a 2 week holiday.

Her holiday ENDED on the 7th June 2018

- (b) On which date did her holiday start?
(2 marks)

(Total for Question 8 is 3 marks)

9. Look at the diagram for Question 9(a) in the Diagram Book.

It shows a scale.

- (a) Write down the number shown by the arrow.
(1 mark)

Look at the diagram for Question 9(b) in the Diagram Book.

It shows a different scale.

- (b) On this scale, mark the number 456
(1 mark)

(continued on the next page)

9. continued.

(c) What is the value of the 5 in 456?

(1 mark)

(d) Write the number 472 correct to the nearest 100

(1 mark)

(Total for Question 9 is 4 marks)

10. Gemma asked each of her friends to tell her their favourite vegetable.

The table below gives information about her results.

Vegetable	Frequency
peas	9
cabbage	2
sweetcorn	7
broccoli	3
carrots	7

- (a) Look at the diagram for Question 10(a) in the Diagram Book.

On the grid in the Diagram Book, draw a bar chart to show this information.

(3 marks)

(continued on the next page)

10. continued.

(b) How many friends did Gemma ask?

(1 mark)

(Total for Question 10 is 4 marks)

11. Look at the diagram for Question 11 in the Diagram Book.

It shows a clock face.

(a) Show a time of quarter to five on the clock.

(2 marks)

Stanley left work at quarter to five one afternoon.

It took him 35 minutes to get home.

(b) At what time did Stanley get home?

(1 mark)

Answer space continues on the next page.

11. (b) continued.

(Total for Question 11 is 3 marks)

12. Look at the table for Question 12 in the Diagram Book.

It shows some information about the people who work in a shop.

(a) Who is the oldest person?

(1 mark)

(b) Who works part time and travels to work by bus?

(1 mark)

(c) Which two people have the same age?

(1 mark)

_____ and _____

(Total for Question 12 is 3 marks)

Turn over

- 13. Samantha buys a box of 12 truffles for £3.79**
The 12 truffles in the box are all the same.

What is the cost of one of these truffles?
Give your answer to the nearest penny.

_____ pence

(Total for Question 13 is 2 marks)

14. Look at the diagram for Question 14 in the Diagram Book.

It shows a shape made from two rectangles.

Four sides of the shape are labelled.

Work out the total area of the shape.

_____ cm^2

(Total for Question 14 is 3 marks)

15. Look at the information for Question 15 in the Diagram Book.

It shows Huang's electricity bill for December 2019

He used 621 units of electricity.

Work out the total that Huang had to pay for December 2019

(4 marks)

Answer space continues on the next page.

15. continued.

£ _____

(Total for Question 15 is 4 marks)

TOTAL FOR SECTION A IS 50 MARKS

END OF PAPER
