

# Number and Measure

Level 1

Section A (Calculator)

Time: 1 hour

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

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

**YOU MUST HAVE**

**Ruler, writing and drawing equipment, protractor, calculator.**

**YOU WILL BE GIVEN**

**Diagram Booklet**

**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  $\pi$  button, take the value of  $\pi$  to be  $3 \cdot 142$  unless the question instructs otherwise.**

## **INFORMATION**

**The total mark for this paper 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.**

**There may be spare copies of some diagrams in case you need them.**

## **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.**

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## **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  
 $18 \cdot 7 - 7 \cdot 65 + 4 \cdot 15$   
(1 mark)
- 

- (b) Use your calculator to work out  
 $8 \cdot 5 \times 9 \cdot 2$   
(1 mark)
- 

(continued on the next page)

1. continued.

(c) Use your calculator to work out

$$20.6 \div 0.4$$

(1 mark)

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**(Total for Question 1 is 3 marks)**

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**2. Work out**

**5 metres 78 cm + 3 metres 63 cm – 2 metres 56 cm**

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

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3. Below are seven numbers.

6      9      17      20      27      35      42

From these numbers,

(a) write down a multiple of 5  
(1 mark)

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(b) write down a prime number  
(1 mark)

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(continued on the next page)

3. continued.

Remember:

Below are seven numbers.

6      9      17      20      27      35      42

From these numbers,

(c) write down a common factor of 24 and 30  
(1 mark)

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(Total for Question 3 is 3 marks)

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4. (a) Work out

$$\frac{2}{5} \times 720$$

(2 marks)

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(continued on the next page)

4. continued.

(b) Work out

**15% of 840**

**(2 marks)**

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

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5. Look at the information for Question 5 in the Diagram Booklet.

It shows the price list for some of the items sold in a baker's shop.

Abigail buys

3 bread rolls

2 doughnuts

1 brown loaf

She pays with a £10 note.

How much change should Abigail get?

(4 marks)

Answer space continues on the next page.

5. continued.

£ \_\_\_\_\_

**(Total for Question 5 is 4 marks)**

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6. Look at the diagram for Question 6 in the Diagram Booklet.

It shows a cuboid.

It is **16** metres long, **10** metres wide and **12** metres high.

Work out the volume of the cuboid.

\_\_\_\_\_  $\text{m}^3$

(Total for Question 6 is 2 marks)

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7. (a) Write

$\frac{3}{5}$  as a decimal.

(1 mark)

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(continued on the next page)

7. continued.

(b) Write

70% as a fraction.

(1 mark)

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**(Total for Question 7 is 2 marks)**

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8. Look at the diagram for Question 8 in the Diagram Booklet.

It shows part of a calendar for April 2020

(a) What day of the week was the 15th April 2020?

(1 mark)



(continued on the next page)

8. continued.

(b) What was the date three weeks after the  
**21st April 2020?**

**(2 marks)**

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

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9. Look at the table for Question 9 in the Diagram Booklet.

It shows information about some teachers who work in a school.

(a) Which teacher is the youngest?

(1 mark)

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(continued on the next page)

9. continued.

(b) Who teaches English and travels to work by bicycle?

(1 mark)

\_\_\_\_\_

(c) Which two teachers have the same age?

(1 mark)

\_\_\_\_\_ and \_\_\_\_\_

(Total for Question 9 is 3 marks)

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**10. Look at the diagram for Question 10(a) in the Diagram Booklet.**

**It shows a scale.**

**(a) Write down the number shown by the arrow.**

**(1 mark)**

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**Look at the diagram for Question 10(b) in the Diagram Booklet.**

**It shows a different scale.**

**(b) On the scale, mark the number 808**

**(1 mark)**

**(continued on the next page)**

10. continued.

(c) Write the number  
**nine hundred and seventeen** in figures.

(1 mark)

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(d) Write the number  
**547** to the nearest **10**

(1 mark)

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**(Total for Question 10 is 4 marks)**

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**11. Look at the diagram for Question 11 in the Diagram Booklet.**

**It is a bar chart which shows information about the favourite snack of each student in class 11Q**

**(a) Which snack is the favourite of most students in class 11Q?**

**(1 mark)**

\_\_\_\_\_

**(b) Which two snacks have the same frequency?**

**(1 mark)**

\_\_\_\_\_ and \_\_\_\_\_

**(continued on the next page)**

11. continued.

More students in class **11Q** have nuts as their favourite snack than have cake as their favourite snack.

(c) How many more?

(2 marks)

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(Total for Question 11 is 4 marks)

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

You can use the table to convert between pounds (£) and dollars.

(a) Convert £67 to dollars.

(2 marks)

\_\_\_\_\_ dollars

(continued on the next page)

12. continued.

- (b) Convert 91 dollars to pounds.  
(2 marks)

£ \_\_\_\_\_

(Total for Question 12 is 4 marks)

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13. Samantha buys a pack of 12 identical pieces of wrapping paper for £5.50

What is the cost of one of these pieces of wrapping paper?

Give your answer to the nearest penny.

\_\_\_\_\_ pence

(Total for Question 13 is 2 marks)

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**14. Look at the diagram for Question 14 in the Diagram Booklet.**

**It shows a shape made from two rectangles.**

**The length of one of the sides of one of the rectangles is missing from the diagram.**

**(a) On the answer line on the diagram, write the length of this side.**

**(1 mark)**

**(continued on the next page)**

14. continued.

(b) Work out the total area of the shape.

(3 marks)

\_\_\_\_\_  $\text{cm}^2$

(Total for Question 14 is 4 marks)

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15. Write **260** minutes in hours and minutes.

\_\_\_\_\_ hours \_\_\_\_\_ minutes

(Total for Question 15 is 2 marks)

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**16. Look at the information for Question 16 in the Diagram Booklet.**

**It shows Asha's electricity bill for January 2021**

**Work out the total cost that Asha has to pay for her electricity for January 2021**

**(4 marks)**

**Answer space continues on the next page.**

16. continued.

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**(Total for Question 16 is 4 marks)**

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**TOTAL FOR SECTION A IS 50 MARKS**

**END OF PAPER**

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