



Pearson
Edexcel Award

Pearson

ANM20/2A

Number and Measure

Level 2

Section A (Calculator)

Transcription of the Braille Version

UEB Grade 2

U66322A

[braille page 1]

ANM20/2A

Pearson

Edexcel Award

Number and Measure

Level 2

Section A (Calculator)

Time: 1 hour

YOU MUST HAVE

Ruler

Protractor

Calculator

YOU WILL BE GIVEN

Diagram Booklet

Model for Question 6

Model for Question 18

[braille page 2]

INSTRUCTIONS

Write your name, centre number, and candidate number on your answer paper.

Answer ALL questions.

Answer the questions on your answer paper.

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 paper is 50

The marks for EACH question are shown in brackets, for example [2 marks] – use this as a guide as to how much time to spend on each question.

[braille page 3]**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.

[A contents page for this examination paper will be found as a separate booklet. This is to assist the candidate in locating selected books].

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[braille page 4]**Section A**

Answer ALL questions.

Write your answers on your answer paper.

You must write down all the stages in your working.

1. (a) Look at the diagram for Question 1(a) in the diagram booklet.
Write down the number marked with the arrow. [1 mark]

(b) Look at the diagram for Question 1(b) in the diagram booklet.
Write down the number marked with the arrow. [1 mark]

[Total for Question 1 is 2 marks]

[braille page 5]

2. (a) Work out $12 \div -4$ [1 mark]

(b) Work out $-7 - -9$ [1 mark]

(c) Work out $-8 + -4$ [1 mark]

[Total for Question 2 is 3 marks]

3. (a) Find the value of $\sqrt{576}$ [1 mark]

(b) Find the value of 13^3 [1 mark]

(c) Work out the value of $2^5 \times 4^2$ [2 marks]

[Total for Question 3 is 4 marks]

[braille page 6]

4. Change 5971 Icelandic krona into pounds (£) using an exchange rate of £1 = 140 Icelandic krona.

Write your answer in pounds (£).

[Total for Question 4 is 2 marks]

5. Work out 21% of 4200

[Total for Question 5 is 2 marks]

[braille page 7]

6. Look at diagram 1, diagram 2 and the model for Question 6 in the diagram booklet. They show a cuboid. It is 6 cm wide and 8 cm high.

Diagram 1 shows the front of the cuboid.

Diagram 2 shows the side of the cuboid.

The volume of this cuboid is 720 cm^3

Work out the length of the cuboid.

[Total for Question 6 is 3 marks]

7. Look at the diagram for Question 7 in the diagram booklet. It shows a right-angled triangle.

Work out the perimeter of this triangle.

Write your answer in mm.

[Total for Question 7 is 2 marks]

[braille page 8]

8. Work out 42.41×7.9

[Total for Question 8 is 1 mark]

9. Sean works for a company selling car insurance.

He gets paid £18.50 for each hour he works.

He also gets paid £30.50 for each car he insures.

One week, Sean works for 28 hours and insures 16 cars.

He pays £190 tax on what he earns for the week.

Work out Sean's total pay after the deduction of tax.

Write your answer in pounds (£).

[Total for Question 9 is 4 marks]

[braille page 9]

10. Change 88kg into pounds.
(1kg = 2.2pounds)
Write your answer in pounds.

[Total for Question 10 is 2 marks]

11. Work out $5\frac{1}{2} \div 2\frac{1}{5}$

[Total for Question 11 is 2 marks]

12. Find the Lowest Common Multiple (LCM) of 25 and 80

[Total for Question 12 is 3 marks]

[braille page 10]

13. John invests £4000 for 3 years in an account paying simple interest at a rate of 1.5% per year.

Work out the total amount of simple interest paid to John by the end of the 3 years.

Write your answer in pounds (£).

[Total for Question 13 is 3 marks]

14. Look at the diagram for Question 14 in the diagram booklet.
A semicircle has a radius of 8cm.

Work out the perimeter of the semicircle.
Write your answer in cm.

[Total for Question 14 is 3 marks]

[braille page 11]

15. In 2019, Sameena was paid a salary of £20600
In 2020, Sameena was paid a salary of £23896

What is the percentage increase in the salary paid to Sameena?
Write your answer as a percentage (%).

[Total for Question 15 is 3 marks]

[braille page 12]

16. Tina is investigating the number of damaged apples in each of 30 boxes of apples.

The table below gives information about her results.

Number of damaged apples	Number of boxes
2	16
3	8
4	5
5	1

,,,,,,,,,,,,,

Work out the total number of damaged apples in the 30 boxes.

[Total for Question 16 is 3 marks]

[braille page 13]

17. Look at the diagram for Question 17 in the diagram booklet. It shows a shaded shape which is made by cutting a circle out of a square.

The square has sides of length 10cm. The circle has radius 3cm.

Work out the area of the shaded shape.

Write your answer in cm^2

[Total for Question 17 is 4 marks]

[braille page 14]

18. Look at diagram 1, diagram 2 and the model for Question 18 in the diagram booklet. They show a prism.

Diagram 1 shows the side view.

Diagram 2 shows the front view.

(i) Work out the area of the side view shown in diagram 1.

Write your answer in cm^2 . [2 marks]

(ii) Work out the volume of the prism.

Write your answer in cm^3 . [2 marks].

[Total for Question 18 is 4 marks]

TOTAL FOR SECTION A IS 50 MARKS

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END OF PAPER

Diagram Booklet

Diagram for Question 1(a)

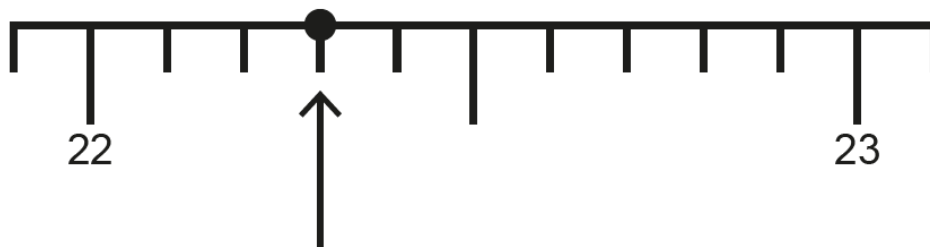
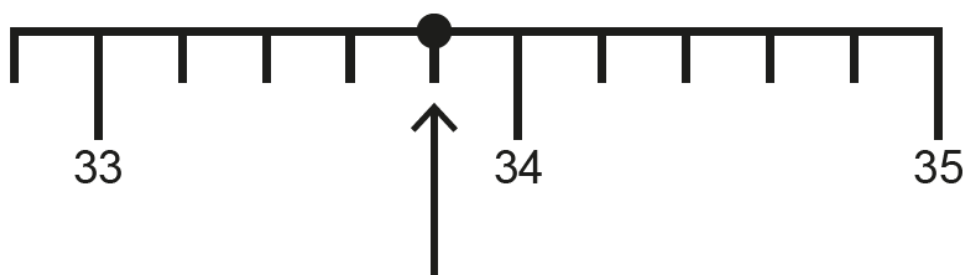


Diagram for Question 1(b)



Diagrams for Question 6

Diagram 1

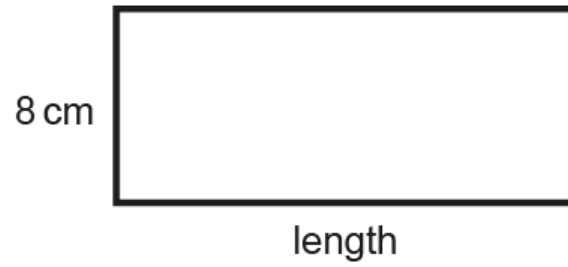


Diagram 2

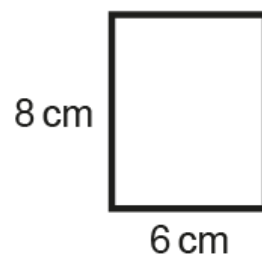


Diagram for Question 7

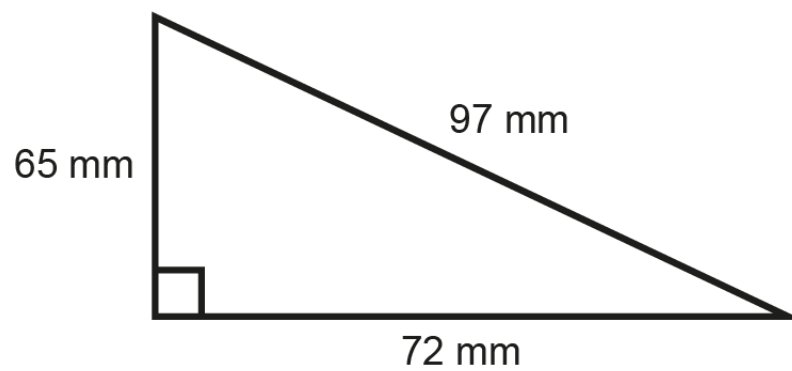


Diagram for Question 14

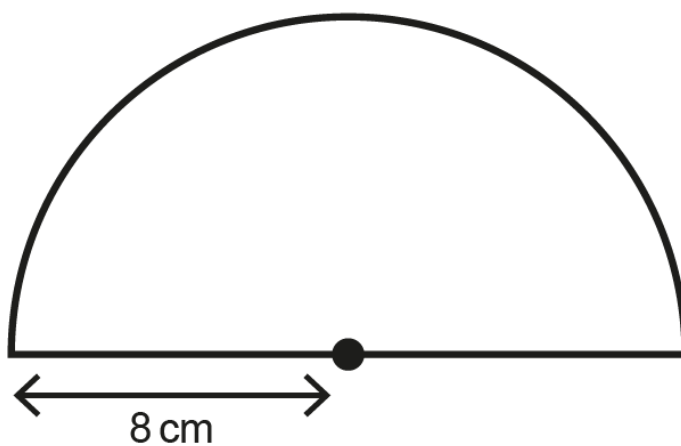
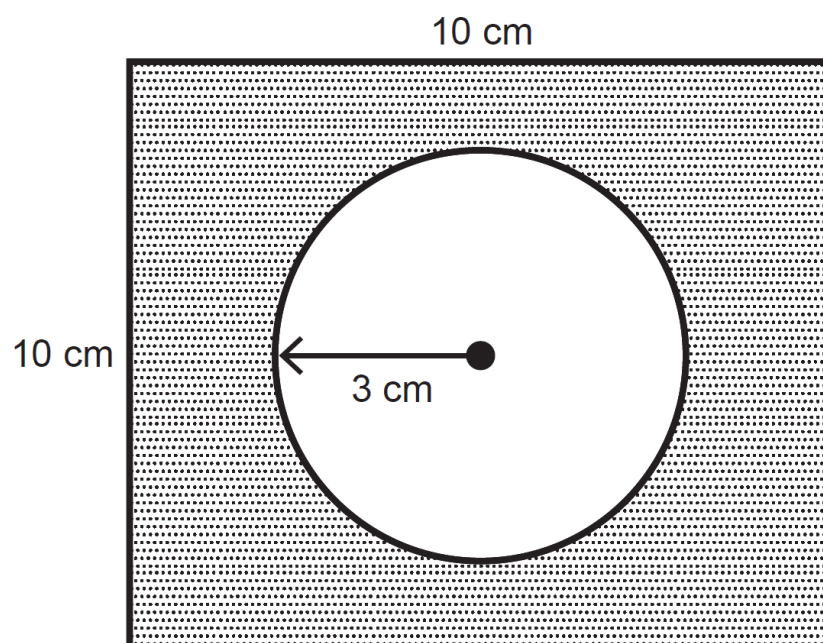


Diagram for Question 17



Diagrams for Question 18

Diagram 1

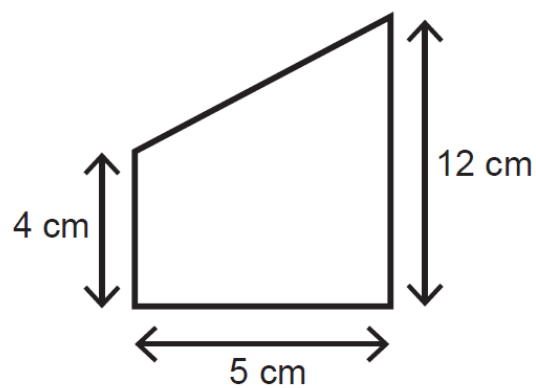


Diagram 2

