

Write your name here

Surname

Other names

Pearson
Edexcel Award

Centre Number

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Candidate Number

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Number and Measure

Level 2

Section A (Calculator)

Thursday 7 May 2015 – Morning

Time: 1 hour

Paper Reference

ANM20/2A

You must have: Ruler graduated in centimetres and millimetres, protractor, pen, HB pencil, eraser, calculator.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *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.*

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.

Turn over ►

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PEARSON

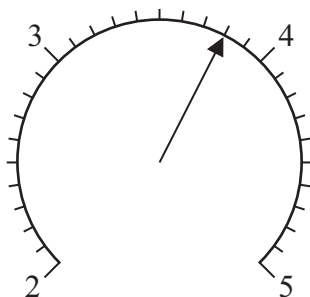
Section A

Answer ALL questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

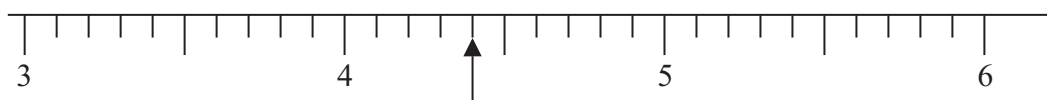
1 (a)



Write down the number marked with the arrow.

.....
(1)

(b)



Write down the number marked with the arrow.

.....
(1)

(Total for Question 1 is 2 marks)

2 (a) Work out $£150 \div 7$

£
(2)

(b) Work out 7.6×2.63

.....
(1)

(Total for Question 2 is 3 marks)



3 (a) Find the value of 67^2

.....
(1)

(b) Find the value of $\sqrt{169}$

.....
(1)

(c) Work out the value of $2^4 \times 3^2$

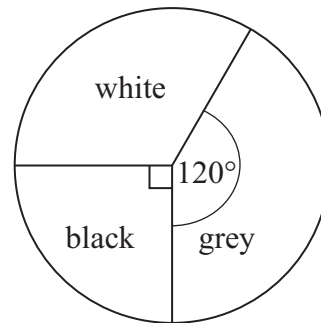
.....
(2)

(Total for Question 3 is 4 marks)

4 There are 24 counters in a bag.
Each counter is white or black or grey.

The pie chart shows information about
the number of counters of each colour.

How many grey counters are there?



.....
(Total for Question 4 is 2 marks)

5 (a) Work out $-6 \times +7$

.....
(1)

(b) Work out $-3 - -5$

.....
(1)

(Total for Question 5 is 2 marks)



- 6 Change 896 Turkish lira into pounds (£).
Use an exchange rate of £1 = 2.80 Turkish lira.

£

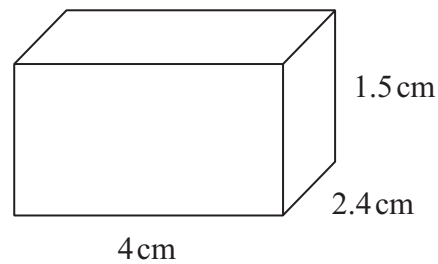
(Total for Question 6 is 2 marks)

- 7 Work out 8% of 400

.....

(Total for Question 7 is 2 marks)

- 8 Find the volume of this cuboid.

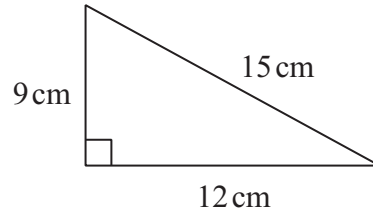


.....cm³

(Total for Question 8 is 2 marks)



9



(a) Work out the perimeter of this triangle.

..... cm
(2)

(b) Work out the area of this triangle.

..... cm²
(2)

(Total for Question 9 is 4 marks)

10 Jon invests £2000 for 3 years simple interest at a rate of 4% per year.

Work out the total amount of simple interest he has been paid by the end of the 3 years.

£

(Total for Question 10 is 3 marks)

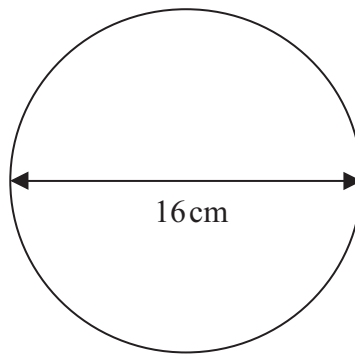


- 11 Change 7.7 pounds into kg.
(2.2 pounds = 1 kg)

.....kg

(Total for Question 11 is 2 marks)

12



A circle has a diameter of 16 cm.

Work out the area of the circle.

.....cm²

(Total for Question 12 is 3 marks)

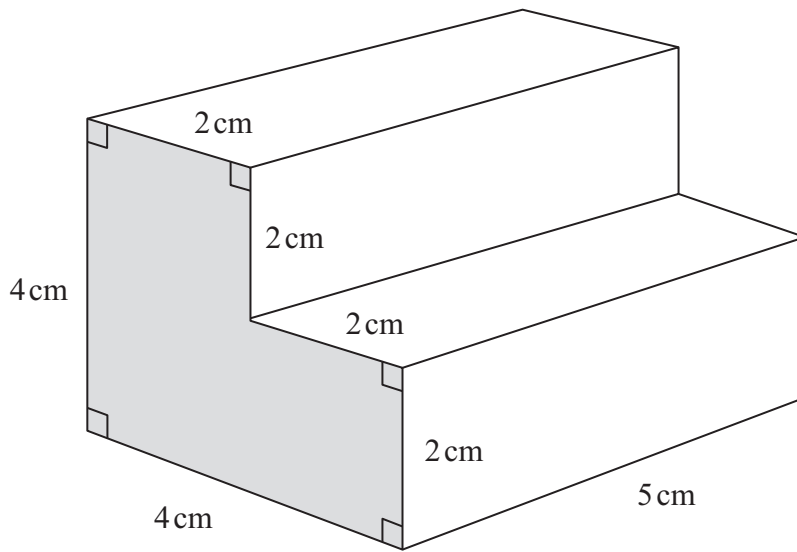
- 13 Work out $6\frac{3}{4} \div 2\frac{2}{5}$

.....

(Total for Question 13 is 2 marks)



14 Here is a prism.



(i) Work out the area of the shaded face.

.....cm²

(ii) Work out the volume of the prism.

.....cm³

(Total for Question 14 is 4 marks)



15 Find the Highest Common Factor (HCF) of 48 and 60

.....

(Total for Question 15 is 3 marks)

16 Bob is paid £9.80 per hour for the first 28 hours that he works.
When he works overtime, his overtime is paid at 1.5 times this hourly rate.

Last week Bob worked for 35 hours, which included 7 hours overtime.
He pays £75.45 tax and £18.10 National Insurance.

Work out the total of Bob's pay for this week after the deductions.

£

(Total for Question 16 is 4 marks)



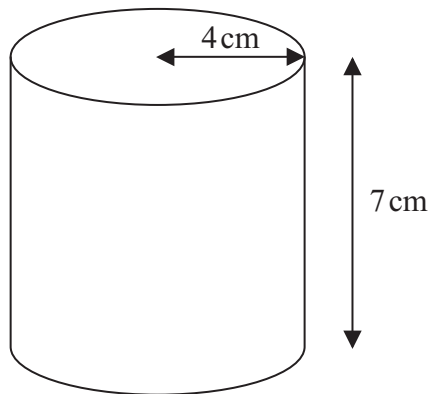
17 The number of people on a train decreases from 240 to 168

What is the percentage decrease in the number of people on the train?

.....%

(Total for Question 17 is 3 marks)

18 Here is a cylinder.



The height of the cylinder is 7 cm.

The radius of the cylinder is 4 cm.

Work out the volume of the cylinder.

.....cm³

(Total for Question 18 is 3 marks)

TOTAL FOR SECTION A IS 50 MARKS



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Write your name here

Surname

Other names

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Number and Measure
Level 2
Section B (Non-Calculator)

Thursday 7 May 2015 – Morning
Time: 30 minutes

Paper Reference
ANM20/2B

You must have: Ruler graduated in centimetres and millimetres, protractor, pen, HB pencil, eraser.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- **Calculators must not be used.**



Information

- The total mark for this section is 30
- The total mark for this paper is 80
- The marks for **each** question are shown in brackets – *use this as a guide as to how much time to spend on each question.*

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.

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Section B

Answer ALL questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

You must NOT use a calculator for this section.

- 1** Write these numbers in order of size.
Start with the smallest number.

−3 4 5 2 −4 −2 −1

.....
(Total for Question 1 is 1 mark)

- 2** (a) Work out $3.42 - 0.002 + 6$

.....
(2)

- (b) Work out 15.41×6

.....
(2)

(Total for Question 2 is 4 marks)



3 8 chocolate bars of the same type cost £4.80

What is the cost of 5 of these chocolate bars?

£

(Total for Question 3 is 3 marks)

4 On a bus there are 24 women and 20 men.

Write down the ratio of the number of women to the number of men.

Give your answer in its simplest form.

.....

(Total for Question 4 is 2 marks)



5 (a) Work out $\frac{5}{8} - \frac{1}{4}$

.....
(2)

(b) Work out $\frac{2}{5} \times \frac{1}{4}$

.....
(1)

(Total for Question 5 is 3 marks)

6 Write 120 as a percentage of 150

.....%

(Total for Question 6 is 2 marks)



- 7 (a) Which is larger, $\frac{1}{6}$ of 72 or $\frac{1}{5}$ of 65?
You must show all your working.

.....
(3)

- (b) Write 41 as a fraction of 84

.....
(1)

(Total for Question 7 is 4 marks)

- 8 Work out an estimate that could be used to check the value of

$$\frac{21.1 \times 39.7}{0.47}$$

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



9 Divide 70 in the ratio 2 : 5

..... :

(Total for Question 9 is 2 marks)

10 The total price of a cooker is £500 plus 20% VAT.
Work out the total price of the cooker.

£

(Total for Question 10 is 3 marks)

11 Work out $2\frac{1}{4} + 3\frac{1}{5}$

Give your answer as a mixed number in its simplest form.

.....

(Total for Question 11 is 3 marks)

TOTAL FOR SECTION B IS 30 MARKS
TOTAL FOR PAPER IS 80 MARKS



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