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[Turn over

1. Carry out the following calculations.

(a) 9.32 - 5.6 + 4.27

(b) 37.6×8

(c) $2680 \div 400$

(*d*) $7 \times 2\frac{1}{3}$

KU RE

The space shuttle programme costs \$5800 million.

2

3. One day last February, Anna compared the temperature in Edinburgh with the temperature in Montreal.

Write this number in scientific notation.

The temperature in Edinburgh was 8°C. The temperature in Montreal was -15 °C.

Find the difference between temperatures.



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Complete this design so that the dotted line is an axis of symmetry.

3

[Turn over

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KU RE

5. Karen asked her class to note the number of songs they downloaded to their phones in the last month.

The answers are shown below.

13 42 51 14 16 15 26 11 32 12 27 21 17 31 46 33 44 15 17 14



Display these answers in an ordered stem and leaf diagram.



one day has reprisely. And compared the temperature in Edinburgh with the temperature in Monreal.

The temperature in Edinburgh was 8.

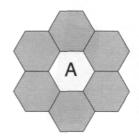
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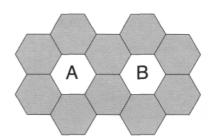
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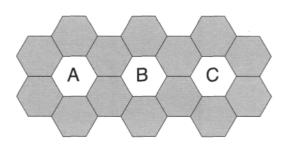
KU	RE			

Carla is laying a path in a nursery school.

She is using a mixture of alphabet tiles and coloured tiles.







(a) Complete the table below.

Number of alphabet tiles (a)	1	2	3	4	5	12
Number of coloured tiles (c)	6	10				

- (b) Write down a formula for calculating the number of coloured tiles (c) when you know the number of alphabet tiles (a).
- (c) Carla uses 86 coloured tiles to make the path. How many alphabet tiles will be in the path?

2

2

KU RE

7. When on holiday in Spain, Sandy sees a pair of jeans priced at 65 euros.

Sandy knows that he gets 13 euros for £10.

What is the price of the jeans in pounds?



3

8. The price of a laptop is reduced from £400 to £320.

Calculate the percentage reduction in the price of the laptop.

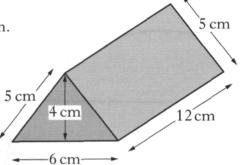


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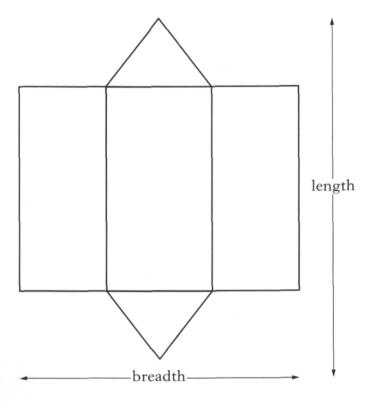
KU RE

9. The diagram shows a triangular prism.

The dimensions are given on the diagram.



A **net** of this triangular prism is shown below.

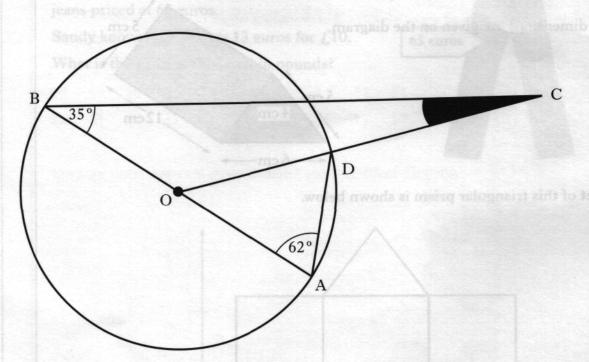


Calculate the length and breadth of this net.

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Marks KU RE

10.



In the diagram above:

- · AB is a diameter of the circle with centre O
- · OC intersects the circle at D
- Angle ABC = 35°
- Angle BAD = 62°

Calculate the size of the shaded angle.

3

[END OF QUESTION PAPER]