

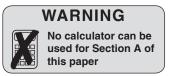
MODIFIED LANGUAGE

INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Show your working. Marks may be given for a correct method even if the answer is incorrect.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided. You may ask for more paper, if you need it.

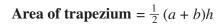
INFORMATION FOR CANDIDATES

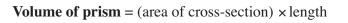
- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this Section is 36.
- This document consists of 12 pages. Any blank pages are indicated.



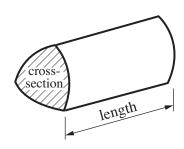
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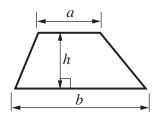
Formulae Sheet: Foundation Tier



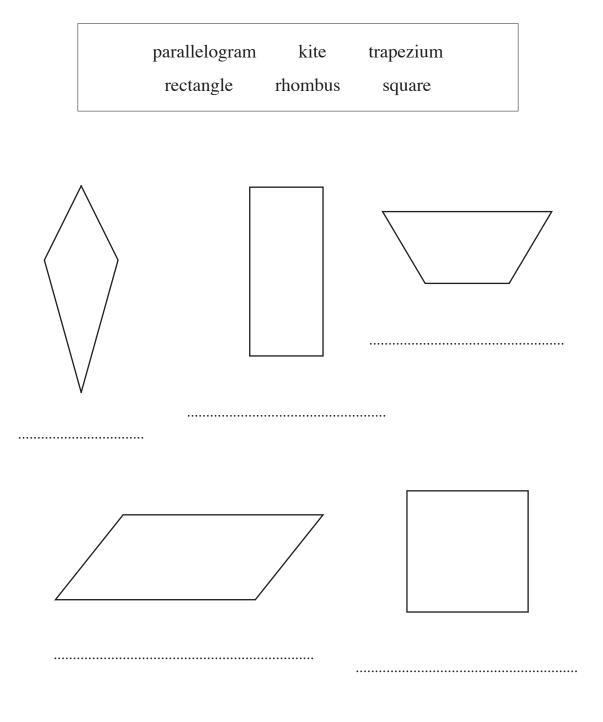








1 Label each shape by choosing the correct name from the list.



[5]

- 2 Work out the following.
 - **(a)** 173 + 282

(b) 908 - 364

(b)[1]

(a)[1]

(c) 231×14

(c)[2]

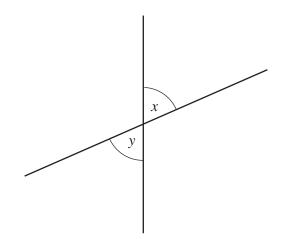
3 (a) Write the fraction $\frac{3}{100}$ as a decimal.

(a)[1]

(b) Arrange these in order of size, starting with the smallest.

0.6 0.09 0.38

4 (a) The diagram shows two intersecting straight lines.

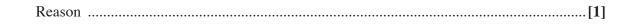


(i) What type of angle is *x*? Choose from this list.

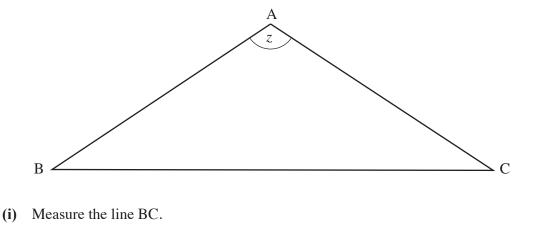
	reflex	obtuse	right angle	acute
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(a)(i)[1]

(ii) Without measuring, how do you know that angle y is equal to angle x?



(b) The diagram shows a triangle.



(b)(i)cm [1]

(ii) Measure the angle z.

(ii)° [1]

Spinner A	Spinner B
Ronnie spins these two spinners. His total is the sum of the scores on the two s The diagram shows the outcome (2, 3) which	
(a) What is the smallest possible total?	
	(a)[1]
(b) What is the largest possible total?	
	(b)[1]
(c) When showing the outcomes, the score of	on Spinner A is shown first.
These outcomes each give a total of six.	
(1,5) $(2,4)$ $(3,3)$ $(4,2)$	
Why is the outcome (5, 1) impossible?	

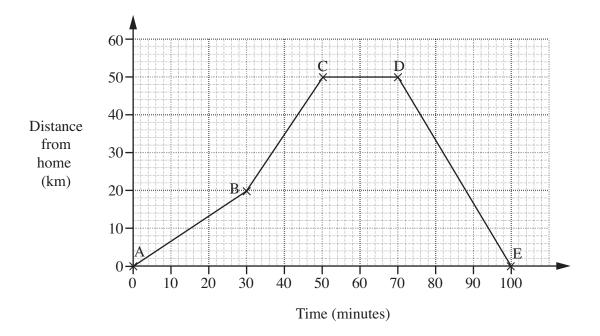
.....[1]

(d) List the outcomes which give a total of seven. You may not need all the spaces.

(,)(,)(,)(,)(,)(,)(,) [1]

5

6 Donna travelled by car to take flowers to her grandparents. The graph represents her journey.



(a) How far did she travel in the first thirty minutes?

(a) km [1]

(b) How long did she stay at her grandparents' house?

(c) What does section DE of the graph represent? [1]

7 A group of 60 students vote for an end of term activity. The results are shown in the table.

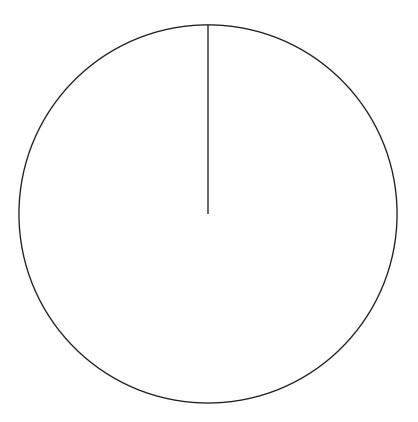
Activity	Number of votes	
Video	25	
Number game	5	
Quiz	10	
Music	20	

(a) Why does a total of 60 make it easy to work out the angles for a pie chart?

.....[1]

[4]

(b) Draw a pie chart to show this information.



8 (a) Simplify the following expressions.

(i) 4x + x + 3x

(ii) 9y - 2y + 5y

(a)(i)[1]

(ii)[1]

(b) Work out 5x + 7y when x = 4 and y = -2.

(b)[2]

(c) Solve the following equations.

(i)
$$4(x-3) = 14$$

(c)(i)[3]

(ii) $\frac{x}{4} - 1 = 7$

(ii)[2]

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