Maths Revision Booklet for CCEA GCSE 2-tier specification

M6

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Name:

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Contents

Revision Exercise 1A (non-calculator)	3
Revision Exercise 1B (non-calculator)	9
Revision Exercise 2A (with calculator)	15
Revision Exercise 2B (with calculator)	21
Problem Solving Questions	28
Answers	30



_[1]

Revision Exercise 1A



You must **not** use a calculator for this paper. Total mark for this paper is 50.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

You should have a ruler, compasses, set-square and protractor.

1.	Write the fraction $\frac{36}{48}$ in its lowest terms.
	48

- (a) Write 10% as:
 - (i) a decimal,

	Answer	[1]
(ii) a fraction in its lowest terms		

(ii) a fraction in its lowest terms.

Anguar	[1	
Answer	1.1	

- **(b)** Calculate:
 - (i) $\frac{3}{5}$ of 35

	Answer	[2]
(ii) 40% of 120		

Answer _____ _[2]

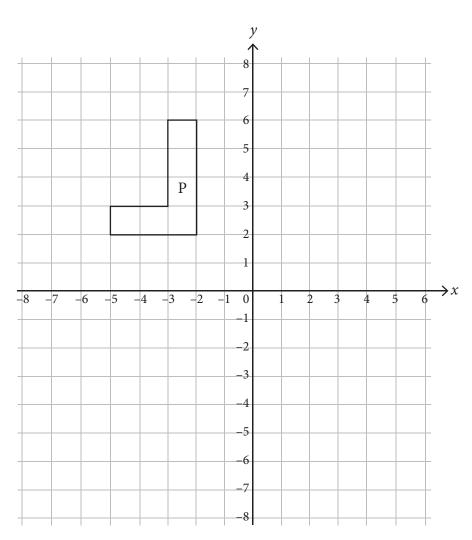
2. Complete the table below.

Shape	Order of rotational symmetry	Lines of symmetry
Rectangle		
Equilateral triangle		
Parallelogram		

3. Two angles of a parallelogram are in the ratio 3:2 Find the size of the angles in the parallelogram.

Answer °, °, ° [4]

4.



(a) Show the position of P after a translation:

$$\begin{pmatrix} 5 \\ -4 \end{pmatrix}$$

Label the new shape Q.

[1]

(b) Reflect the shape P in the line y = 1 Label this reflection R.

- 5. A school holds a draw to raise funds. Each of the 600 pupils in the school buys a ticket in the draw. The tickets are numbered 1 to 600.
 - (a) What is the probability that the ticket number 169 wins the draw?

Answer	[1

(b) Find the probability that a ticket with a number greater than 400 wins the draw.

Answer	[2]
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- (c) One of the teachers says that the probability of a girl winning the draw is ½
 - (i) Explain why this may not be true.

nswer	ſ	1

(ii) If the teacher is correct, how many girls attend the school?

Answer	[1]

6. Find the solution set of the inequality

$$-15 \le 5n < 20$$

and represent the solution on the number line below.

