



THIRD SPACE
LEARNING

GCSE Exam Questions

Collecting like terms | Algebra

GCSE Exam Questions: Collecting like terms

1) Simplify fully:

$$7h - 2h + 4h$$

(1 mark)

2) Simplify fully:

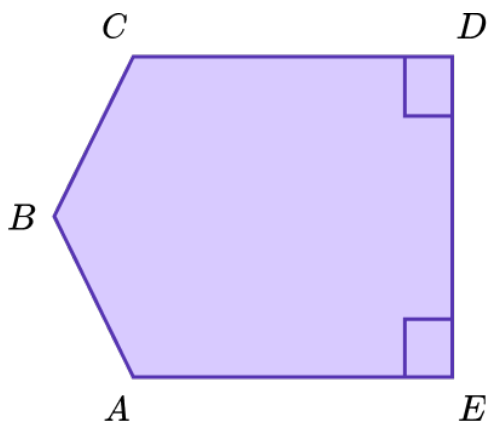
$$4a + 5b - 2a + 3b$$

(2 marks)

3) The diagram shows a pentagon with the following properties:

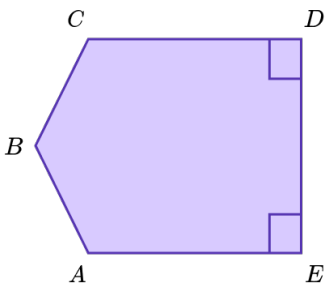
- one line of symmetry
- $AE = 3x - 1$
- $AB = x + 4$
- $DE = 4x$

Write an expression for the perimeter in its simplest form.



(3 marks)

GCSE Exam Questions: Collecting like terms Answers

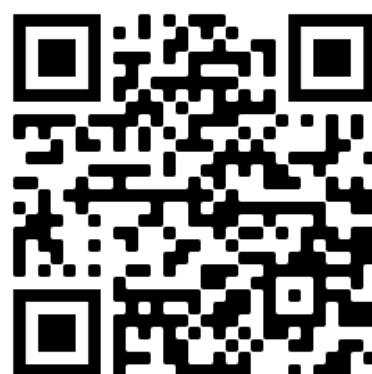
	Question	Answer	Marks
1)	Simplify fully: $7h - 2h + 4h$	$9h$	(1)
2)	Simplify fully: $4a + 5b - 2a + 3b$	$2a$ or $8b$ $2a + 8b$	(1) (1)
3)	<p>The diagram shows a pentagon with the following properties:</p> <ul style="list-style-type: none"> • one line of symmetry • $AE = 3x - 1$ • $AB = x + 4$ • $DE = 4x$  <p>Write an expression for the perimeter in its simplest form.</p>	$CD = 3x - 1$ and $BC = x + 4$ $(3x - 1) + (x + 4) + (3x - 1)$ $+ (x + 4) + (4x)$ oe $12x + 6$	(1) (1) (1)

Where to go next?

For more diagnostic questions, and GCSE maths revision resources and worksheets to support students in fixing any misconceptions take a look at the free Third Space Learning [GCSE maths revision](#) pages.

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