

ISEB Assessments

Year 8 Level 1 Maths Test 1

Answers

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This document consists of a full set of answers to the questions in Year 8 Level 1 Maths Test 1.

Total marks: 100

These answers are part of *Year 8 Level 1 Maths Test 1.zip*, which also contains:

Year 8 Level 1 Maths Test 1.pdf

(the test)

Year 8 Level 1 Maths Test 1 Teacher's Document.pdf

(the teacher's document)

REQUIRED PRINT SETTINGS

This document must be printed with Page Scaling set to 'None'.

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Year 8 Level 1 Maths Test 1 Answers

1. (a) *Note that all answers should be different.*
- (i) 19 (1)
 - (ii) 4 (1)
 - (iii) 5 (1)
 - (iv) 8 or 32 (1)
 - (v) 16 (1)
 - (vi) 8 or 27 (1)
- (b) (i) 2 2.003 2.03 2.3 2.33 (3)
- (ii) 0.33 (1)
2. (a) £1.70 (2)
- (b) (i) 2.54 m (2)
- (ii) 254 cm (1)
- (c) $\frac{19}{20}$ (2)
- (d) (i) 703 mm (2)
- (ii) 0.703 m (1)
3. (a) 21.85 (2)
- (b) 4.49 (2)
- (c) 226.8 (2)
- (d) 6.3 (2)
- (e) 38.2 (2)
4. (a) 8 cm (2)
- (b) 32.8 g (2)
- (c) 1.66 m (2)
- (d) (i) 91 sweets (2)
- (ii) Sarah's guess – Eli's was 98 out (2)

5. Answers vary – examples:

$$6 - 6 - 6 = -6$$

$$(6 - 6) \times 6 = 0$$

$$(6 + 6) \div 6 = 2$$

$$6 - (6 \div 6) = 5$$

$$6 + 6 - 6 = 6$$

$$6 + (6 \div 6) = 7$$

$$6 + 6 + 6 = 18$$

$$6 \times 6 - 6 = 30$$

$$6 \times 6 + 6 = 42$$

$$6 \times (6 + 6) = 72$$

$$6 \times 6 \times 6 = 216$$

(10)

6. (a) 4.5 m

(3)

(b) (i) 8 posts

(1)

(ii) 9 m

(2)

(iii) 60 m

(2)

(iv) 189 m²

(2)

7. (a) (i) $8a$

(1)

(ii) $16a^2$

(2)

(iii) $16a^2$

(2)

(iv) 1

(1)

(b) (i) -6

(1)

(ii) 5

(1)

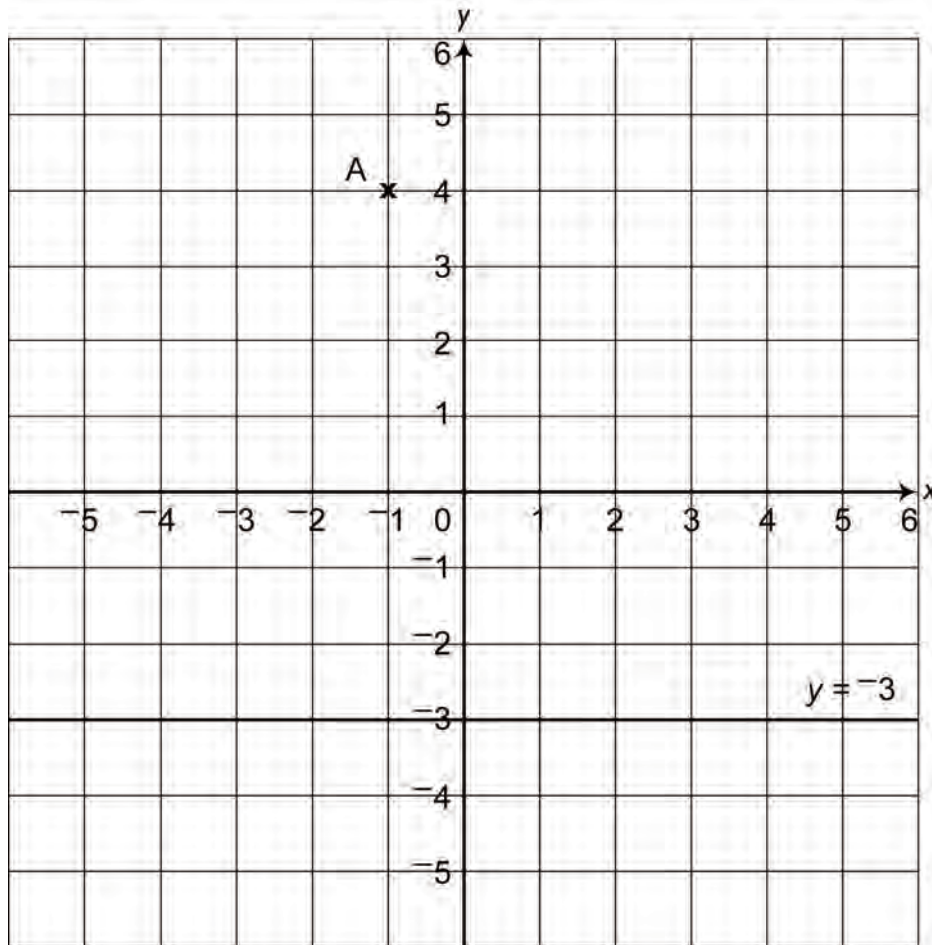
(iii) 1

(2)

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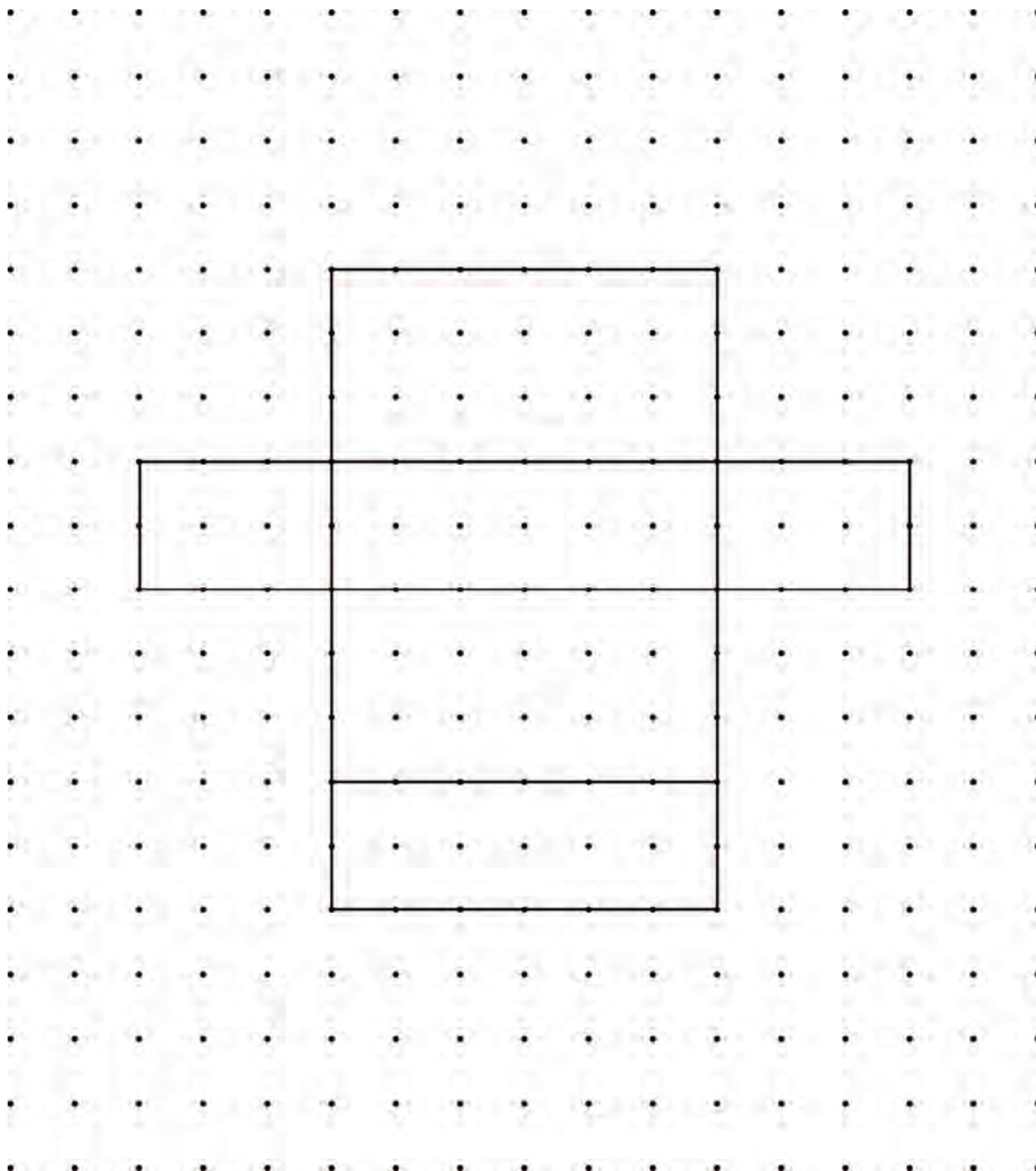
8. (a) (i) Point A (-1, 4) plotted
(ii) Line $y = -3$ drawn

(1)
(1)



(b) (i) Net drawn

(3)

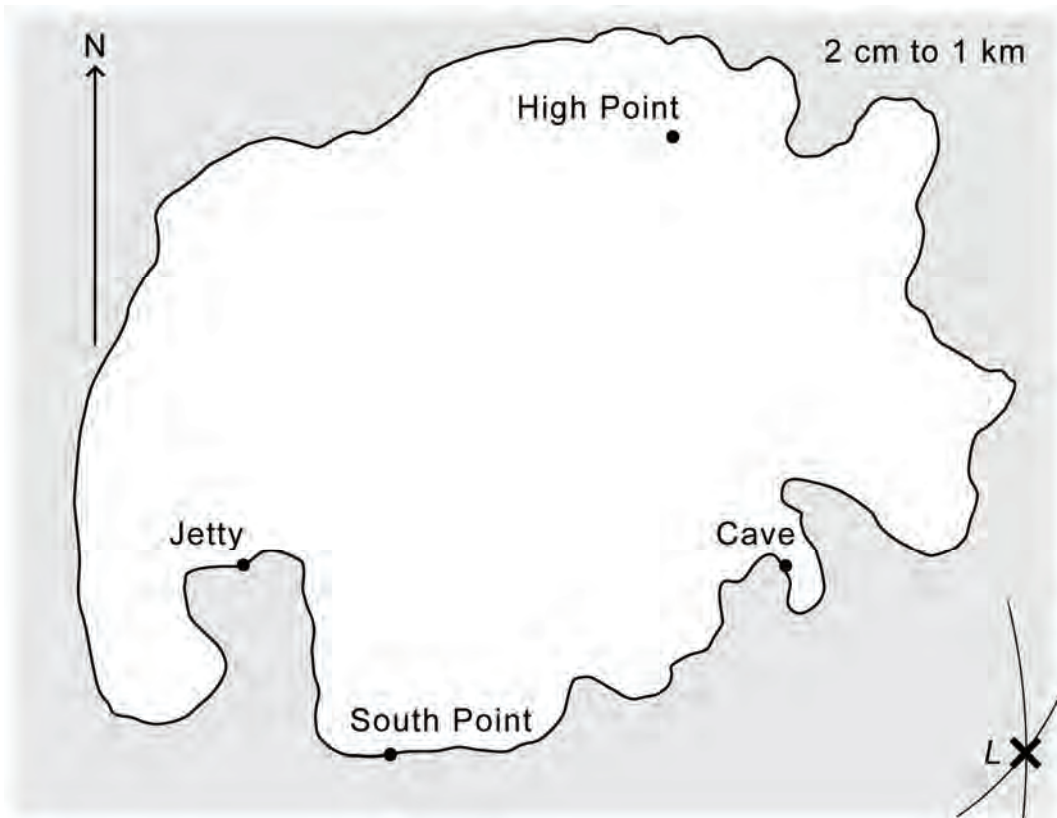


(ii) 72 cm^2
 (iii) 36 cm^3

(3)
 (2)

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9. (i) (a) 8 cm (1)
(b) 4 km (1)
- (ii) (a) NE (2)
(b) W (2)
- (iii) L marked (2)



- (iv) Approximately 20–25 km (allow marks for evidence of strategy) (2)

10. (a) (i) Tally and frequency column completed (3)

score	tally	frequency
4		1
5		2
6		6
7		5
8		3
9		2
10		1
total		20

(ii) 6 (1)
 (iii) 7 (2)

(b) (i) Completed table (2)

		score on yellow die			
		1	2	3	4
score on blue die	1	2	3	4	5
	2	3	4	5	6
	3	4	5	6	7
	4	5	6	7	8

(ii) $\frac{1}{4}$ (1)
 (iii) $\frac{3}{8}$ (1)