Area and Perimeter

Area of a paralellogram


9a. Which parallelograms have an area of 67.5cm²? ☐ = 1.5cm

A

B

C
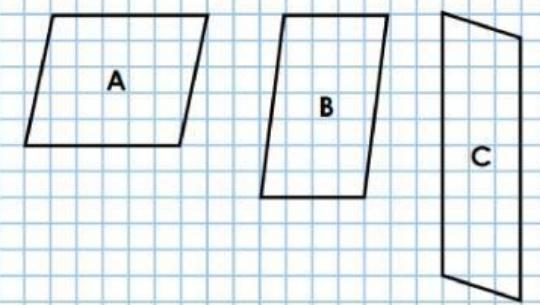
Not to scale

9b. Which parallelograms have an area of 63cm²? ☐ = 1.5cm

A

B

C
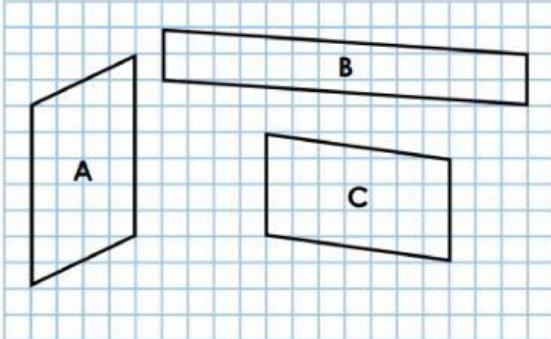
Not to scale

11a. Use the formula: base x perpendicular height to calculate the area of the shape.

0.12m

75mm

8cm
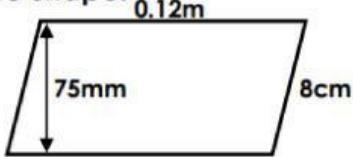
☐ x ☐ = ☐ cm²

Not to scale

11b. Use the formula: base x perpendicular height to calculate the area of the shape.

0.25m

182mm

20cm

☐ x ☐ = ☐ cm²
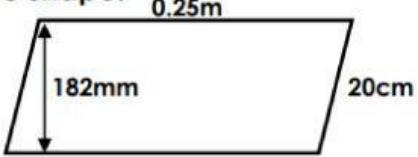
Not to scale

12a. Calculate the area of the shapes and complete the comparison statement.
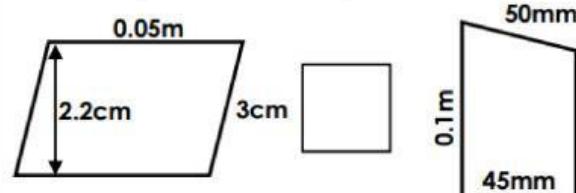
0.05m

2.2cm

3cm

☐

50mm

0.1m

45mm

Not to scale

12b. Calculate the area of the shapes and complete the comparison statement.

0.05m

35mm

40mm

☐

5.5cm

0.06m

7cm
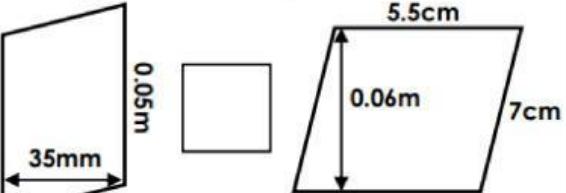
Not to scale

7a. Judah says that half the area of the parallelogram below is 46m².


620cm   6.8m

15,000mm
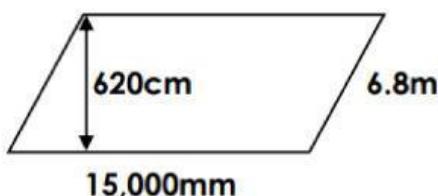
Use the formula base x perpendicular height to prove whether Judah is correct.

Not to scale

R

7b. Miley says that half the area of the parallelogram below is 55m².

440cm   4.8m

25,000mm
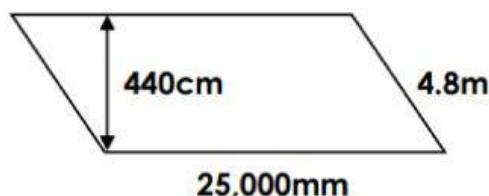
Use the formula base x perpendicular height to prove whether Miley is correct.

*Not to scale*

R

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7. Using the formula $a = b \times h$, tick the parallelograms below with an area between 110cm² and 120cm².

A.

13cm   14cm

85mm

B.

7.5cm   70mm

130mm

C.

9cm   10cm

125mm
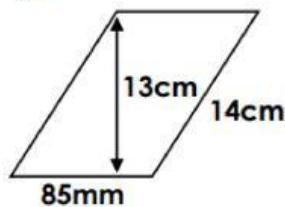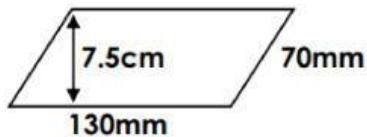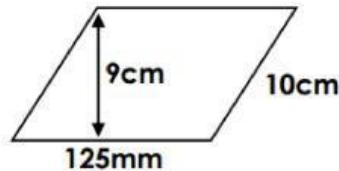
Not to scale

VF
HW/Ext

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8. Using the correct formula, match the parallelograms to their correct areas.

A.

7.2m   7.5m

14m

B.

7m   90cm

10.5m

C.

8.5m   9m

1,100cm
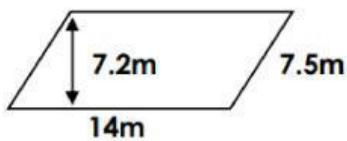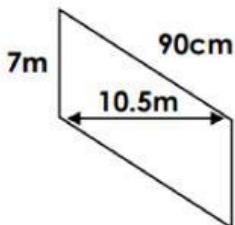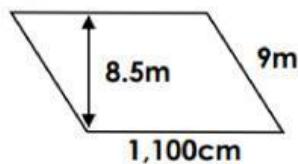
| 1. 98.5m² | 2. 93.5m² | 3. 102.5m² | 4. 100.8m² | 5. 73.5m² |

Not to scale

VF
HW/Ext