§ 1 Area of Quadrilaterals

1. Calculate the area of the following shapes

(a) 

(b) 

(c) 

(d) 

(e) 

(f) 

(g) 

(h) 

(i) 

(j) 

(k) 

(l)
§ 2 Similarity

1 Make a scale drawing of this door using a scale of 1 cm to 20 cm.

[Diagram of a door with dimensions: 200 cm height, 50 cm width, 5 cm height, 2 cm width, 1.5 cm height, 2 cm width, 5 cm height, 6.2 cm width, 20 cm width, x cm width.]

2 Calculate the missing side in similar shapes below:

[Diagram of three similar shapes with unknown dimensions: 1.5 cm, 2 cm, 5 cm, y cm, 6.2 cm, 20 cm, x cm.]

§ 3 Mixed

1 Shelley scored 17 out of 25 in an English test. Write her score as a percentage.

2 Use the formula below to find the value of S when n = 6.

\[ S = \frac{n^2 + 3n}{4} \]

3 Calculate (show all your working).

a) \[ 2 \frac{5}{8} + \frac{3}{4} \]

b) \[ \frac{7}{9} - 2 \frac{1}{2} \]

4 Calculate (show all your working).

\[ 2 \frac{5}{8} \times 1 \frac{3}{7} \]