Exercise 22.1A

1. Calculate the actual length of each line with the given scale:

(a)

1 cm

1 cm : 2 m

Length: _____

(b)

2 cm

1 cm : 3 m

Length: _____

(c)

5 cm

1 cm : 6 m

Length: _____

(d)

7 cm

1 cm : 4 m

Length: _____

(e)

40 mm

1 cm : 9 m

Length: _____

(f)

4 cm

1 cm : 50 cm

Length: _____

(g)

60 mm

1 cm : 8 m

Length: _____

(h)

6.5 cm

1 cm : 60 cm

Length: _____

2. By first measuring to the nearest millimetre, calculate the actual length of each line with the given scale:

(a)

1 cm : 2 m

Length: _____

(b)

1 cm : 4 m

Length: _____

(c)

1 cm : 9 m

Length: _____

(d)

1 cm : 50 cm

Length: _____

(e)

1 cm : 200 m

Length: _____

(f)

1 cm : 4 km

Length: _____

(g)

1 cm : 50 000 cm

Length: _____

(h)

1 cm : 10 000 cm

Length: _____

3. By first measuring to the nearest millimetre, calculate the actual dimensions of each rectangle with the given scale:

(a)

1 cm : 2 m

Length: _____

Breadth: _____

(b)

1 cm : 7 m

Length: _____

Breadth: _____

(c)

1 cm : 20 m

Length: _____

Breadth: _____

(d)

1 cm : 12 m

Length: _____

Breadth: _____

(e)

1 cm : 200 m

Length: _____

Breadth: _____

(f)

1 cm : 600 m

Length: _____

Breadth: _____