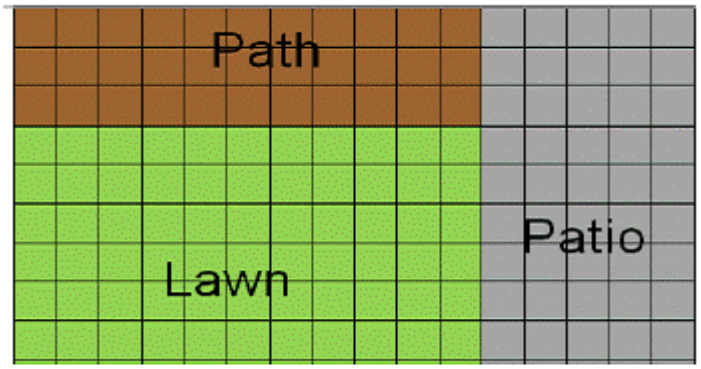
Maps and plans quiz

Level A

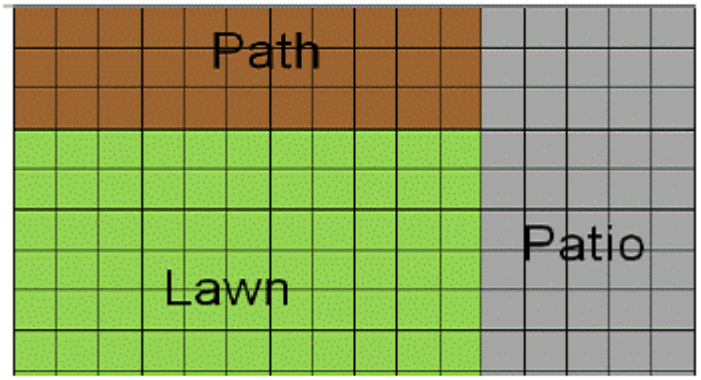
1. Below is a plan of Alan's garden. He has drawn it on squared paper (each square is 1 cm).

   1 cm represents 1 m. What is the actual length of the path?



   A) 11 m
   B) 11 cm
   C) 10 m
   D) 3 m

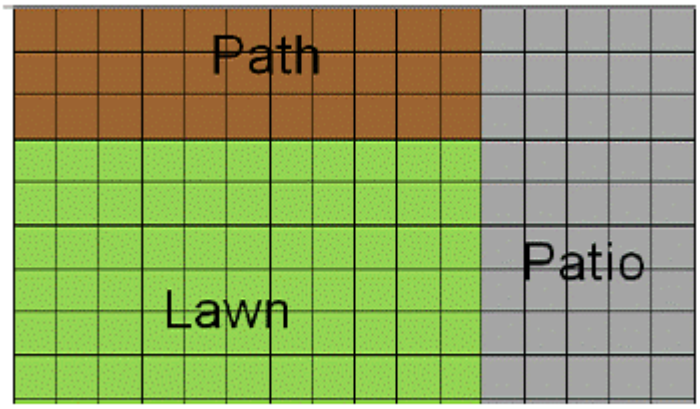
2. 1 cm (each square) represents 1 m. What is the actual width of the path?



   A) 11 m
   B) 11 cm
   C) 10 m
   D) 3 m

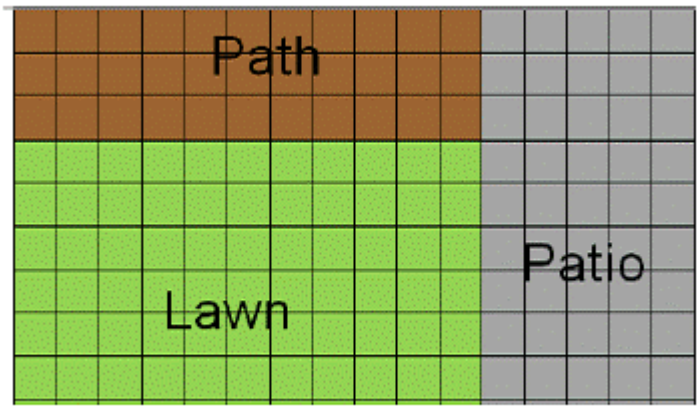
Maps and plans quiz

3. 1 cm (each square) represents 1 m. What is the actual width of the lawn?



A) 6 m
B) 6 cm
C) 5 m
D) 5 cm

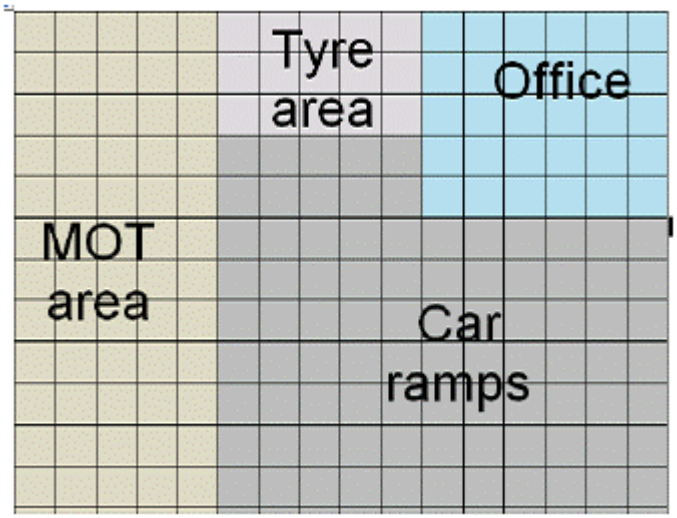
4. 1 cm (each square) represents 1 m. What is the actual width of the patio?



A) 5 m
B) 5 cm
C) 6 m
D) 6 cm

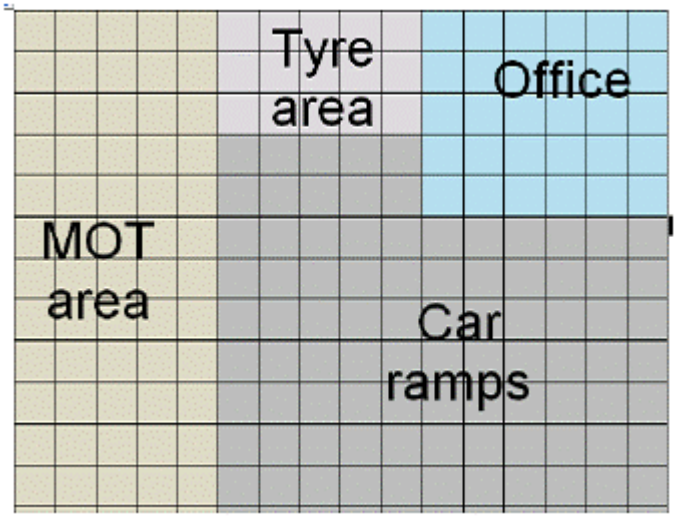
Maps and plans quiz

5. Below is a plan of John's garage. 1 cm (each square) represents 1 m. What are the actual dimensions of the office?



A) 5 m by 4 m
B) 6 m by 4 m
C) 6 m by 5 m

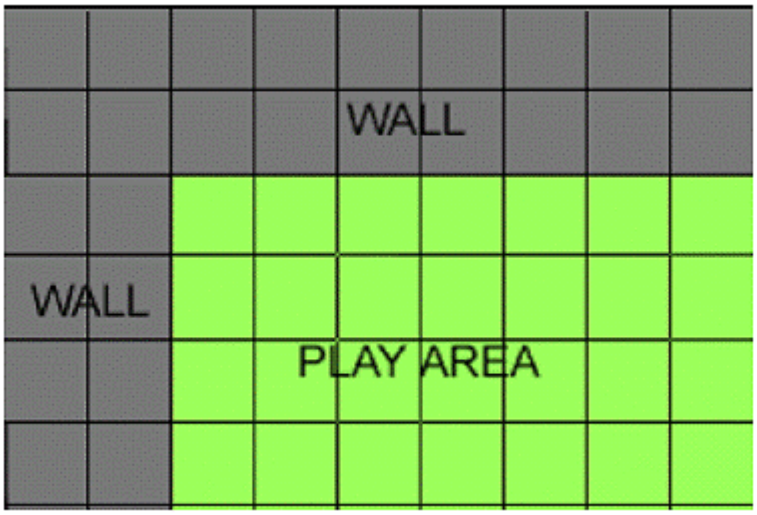
6. 1 cm (each square) represents 1 m. A large family car is 5.5 m long. How many large family cars can fit in the MOT area?



A) 1
B) 2
C) 3

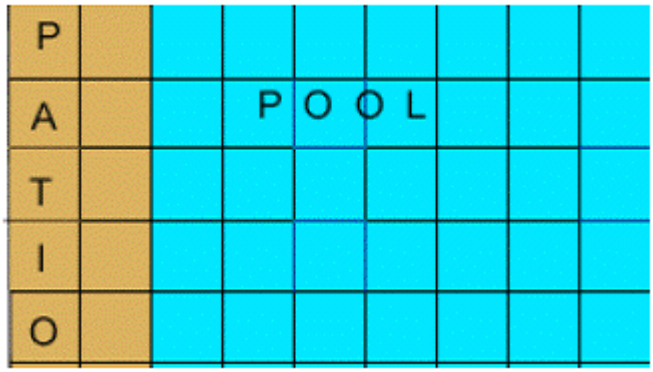
Maps and plans quiz

7. This plan, drawn on cm squared paper, with 1 cm representing 1 m, shows a school play area. The width of the play area is ...



A) 6 m
B) 4 m
C) 7 m

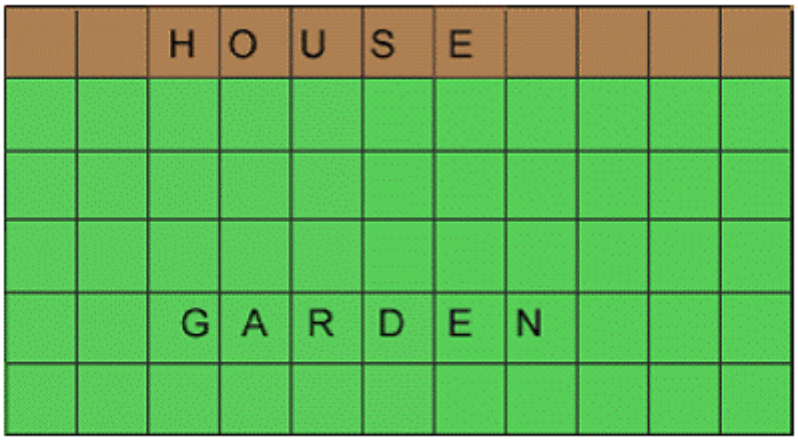
8. This plan, drawn on a cm squared paper, with 1 cm representing 1 m, shows a swimming pool. What is the length of the pool?



A) 5 m
B) 9 m
C) 7 m

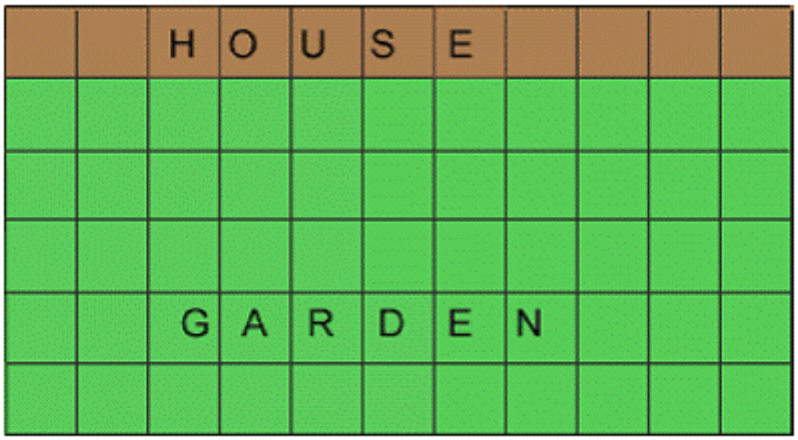
Maps and plans quiz

9. This plan uses cm squared paper, and 1 cm represents 1 m. What is the width of the garden?



A) 4 m
B) 5 m
C) 6 m

10. This plan uses cm squared paper, and 1 cm represents 1 m. What is the length of the garden?



A) 10 m
B) 11 m
C) 11 cm

Maps and plans quiz

Level B

1. An architect makes scale drawings for different parts of a new house.

   On the scale drawing, the length of a corridor measures 8.2 cm.

   The scale of the drawing is 1 cm to 1 m.

   What is the actual length of the corridor?

   A) 0.82m
   B) 8.2 m
   C) 82 m

2. A map has a scale of 1cm to 2 km. The distance between two towns measures 5.6 cm on the map.

   What is the actual distance between the two towns?

   A) 2.8 km
   B) 5.6 km
   C) 10.12 km
   D) 11.2 km

3. A cancer charity has a sponsored race to run 10 km. Jackie and Lauren take part and have a map with a scale 2 cm to 1 km. How far is 10 km on the map?

   A) 5 cm
   B) 10 cm
   C) 20 cm
   D) 2.5 cm

4. A builder lays a square patio. He uses a scale drawing with sides of 15 cm. The scale of the drawing is 5 cm to 1 m.

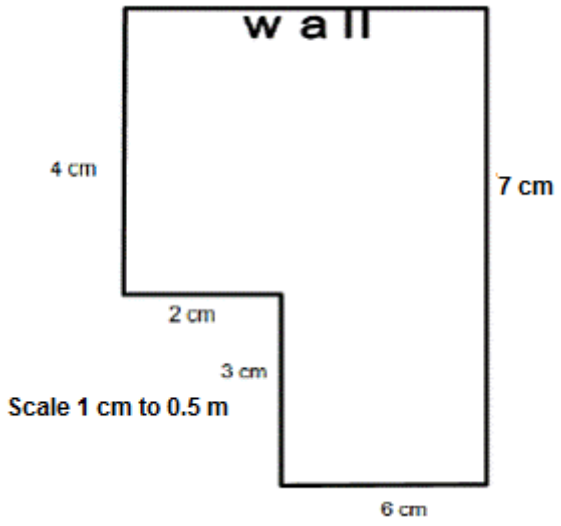
   What is the actual length of one side of the patio?

   A) 5 m
   B) 7.5 m
   C) 3 m
   D) 10 m

Maps and plans quiz

5. Below is a plan of a kitchen not drawn to scale.

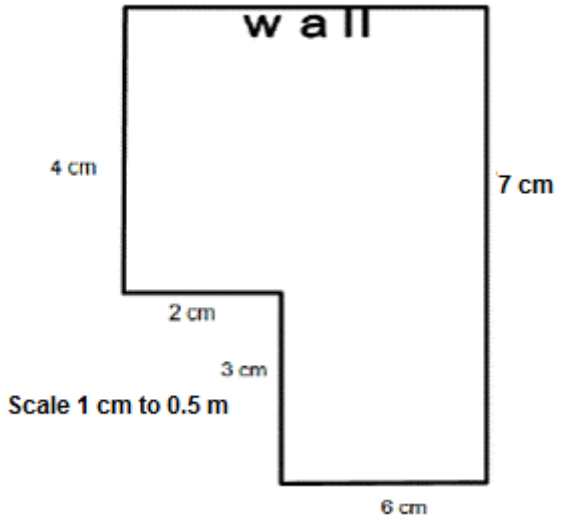
   What is the length, in metres, of the wall indicated?



A) 8 m
B) 4 m
C) 4 cm

Maps and plans quiz

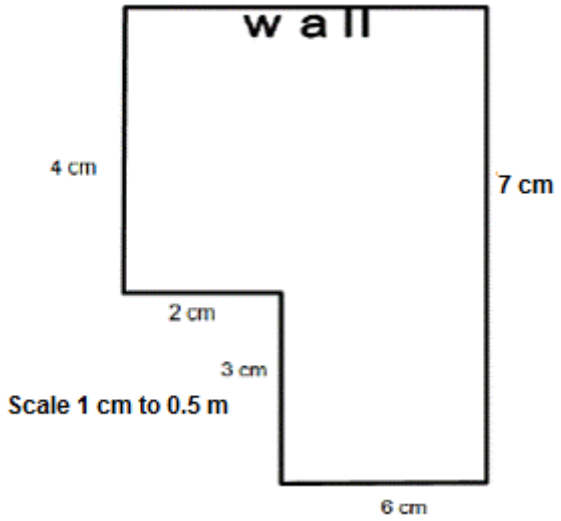
6. A table 1.5 m long by 1 m wide is to be placed in the kitchen. How long will the table be on the plan?



A) 1.5 cm
B) 3 cm
C) 15 cm

Maps and plans quiz

7. A table 1.5 m long by 1 m wide is to be placed in the kitchen. How wide will the table be on the plan?



A) 1 cm
B) 2 cm
C) 1.5 cm

8. A map has a scale of 1cm to 5 km.

The distance from Leeds to Sheffield is 11 cm on the map.

What is the actual distance?

A) 55 km
B) 5.5 km
C) 5 km
D) 2.5 km

Maps and plans quiz

9. A map has a scale of 1 cm to 5 km.

   The distance from Leeds to York is 35 km.

   What is the distance on the map?

   A) 5 cm
   B) 7 cm
   C) 2.5 cm
   D) 0.5 cm

10. A map has a scale of 1 cm to 2.5 km.

    A walk from Woodton is Applegate 15 km.

    What is the distance on the map?

    A) 2.5 cm
    B) 7.5 cm
    C) 6 cm
    D) 30 cm

Maps and plans quiz

Level C

1. The distance on a map from the airport to a hotel is 60 mm.

   The scale on the map is 10 mm to 4 km.

   How far is the airport from the hotel?

   A) 6 km
   B) 15 km
   C) 24 km
   D) 60 km

2. Amina uses a map to find the distance to the beach.

   The map has a scale of 10 mm = 1 km.

   The distance on the map is 55 mm.

   How far in km is it to the beach?

   A) 0.55 km
   B) 5.5 km
   C) 10 km
   D) 55 km

3. Ahmed draws a scale drawing of a field which is 200 m by 80 m. He chooses a scale of 1mm to 1 m.

   What will the length of the field measure on the scale drawing?

   A) 20 mm
   B) 20 cm
   C) 80 mm
   D) 200 cm

Maps and plans quiz

4. A builder lays a patio. He uses a scale drawing with sides of 10 cm.

   The scale of the drawing is 20 mm to 1m.

   What is the actual length of one side of the patio?

   A) 2 m
   B) 2.5 m
   C) 5 m
   D) 10 m

5. A firm hires a marquee for a conference.

   They make a scale drawing of field.

   The scale of the drawing is 1 cm to 2.5 m.

   The actual length of the marquee is 24 metres.

   What is the length of the marquee on the plan?

   A) 9.6 cm
   B) 10.4 cm
   C) 60 cm
   D) 96 cm

6. A drive is 15 m long. How long is it on a plan with a scale of 1 cm to 5 m?

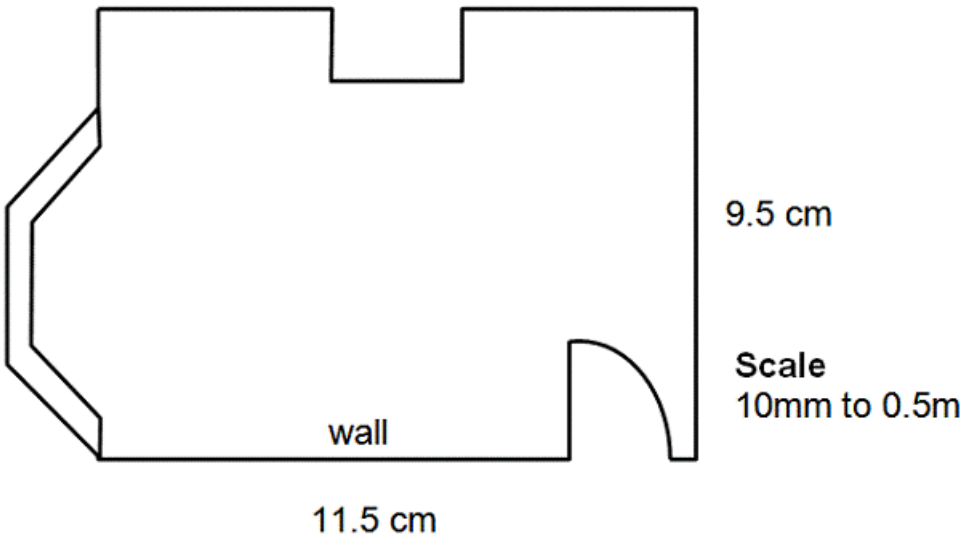
   A) 15 cm
   B) 75 cm
   C) 3 cm

7. A drive is 20 m long. How long is it on a plan with a scale of 1 cm to 15 m?

   A) 1.33 cm
   B) 1.5 cm
   C) 2 cm

Maps and plans quiz

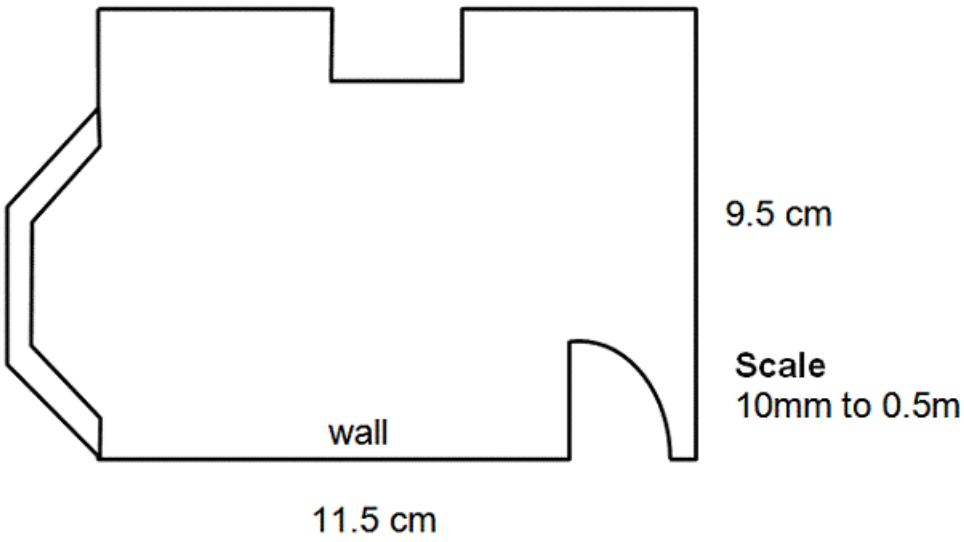
8. Below is a plan of Diana's sitting room, not drawn to scale. What is the actual length of the wall indicated?



A) 11.5 m
B) 23 m
C) 5.75 m
D) 57.5 m

Maps and plans quiz

9. Diana wants to buy a sofa to go along the wall indicated in her sitting room. The actual length of the sofa is 200 cm. What size will it be on the plan?



A) 2 cm
B) 4 cm
C) 20 cm
D) 10 cm

10. A family plan to cycle from Bakewell to a nearby village.

The distance on the map is 25 cm.

The map has a scale of 1 : 50 000

What is the actual distance from Bakewell to the village?

A) 5 km
B) 12.5 km
C) 50 km
D) 125 km

Maps and plans quiz

Answers

Level A

1. The correct answer is: A. Each square represents 1 m, so the length of the path is 11 m.

2. The correct answer is: D. Each square represents 1 m, so the width of the path is 3 m.

3. The correct answer is: A. Each square represents 1 m, so the width of the lawn is 6 m.

4. The correct answer is: A. Each square represents 1 m, so the width of the patio is 5 m.

5. The correct answer is: C. Each square represents 1 m, so the dimensions are 6 m by 5 m.

6. The correct answer is: B. The MOT is 12 m long, so only 2 cars would fit in that area.

7. The correct answer is: B. Each cm represents 1 m, so the width of the play area is 4 m.

8. The correct answer is: C. Each cm represents 1 m, so the length is 7 m.

9. The correct answer is: B. Each square represents 1 m, so the width of the garden is 5 m.

10. The correct answer is: B. Each square represents 1 m, so the length of the garden is 11 m.

Maps and plans quiz

Level B

1. The correct answer is: B. 1 cm represents 1 m, 8.2 cm represents 8.2 × 1 m = 8.2 m

2. The correct answer is: D. 1 cm represents 2 km, 5.6 cm represents 5.6 × 2 km = 11.2 km

3. The correct answer is: C. 2 cm represents 1 km. 10 km represents 2 × 10 = 20 cm

4. The correct answer is: C. 5 cm represents 1 m, 15 cm represents 15 ÷ 5 = 3 m

5. The correct answer is: B. 1 cm represents 0.5 m, 8 cm represents 8 × 0.5 m

6. The correct answer is: B. 1 cm represents 0.5 m. 1.5 ÷ 0.5 = 3 cm

7. The correct answer is: B. 1 cm represents 0.5 m. 1 ÷ 0.5 = 2 cm

8. The correct answer is: A. 1 cm represents 5 km. 11 × 5 = 55 km

9. The correct answer is: B. 1 cm represents 5 km. 35 ÷ 5 = 7cm

10. The correct answer is: C. 1 cm represents 2.5km. 15 ÷ 2.5= 6cm

Maps and plans quiz

Level C

1. The correct answer is: C. 10 mm represents 4 km. 60 mm is 6 times more. 6 × 4 = 24 km

2. The correct answer is: B. 10 mm represents 1 km. 55 ÷ 10 = 5.5 km

3. The correct answer is: B. 1 mm rep 1m 200 m would be 200 mm which is the same as 20 cm

4. The correct answer is: C. 20 mm represents 1 m. 20 mm = 2 cm represents 10÷ 2 = 5 m

5. The correct answer is: A. 1 cm represents 2.5 m. 24 m represents 24 ÷2.5 = 9.6 cm

6. The correct answer is: C. 1 cm represents 5 m. 15 m would be 15 ÷ 5= 3 cm

7. The correct answer is: A. 1 cm represents 15 m. 20 m would be 20 ÷ 15 = 1.33 cm

8. The correct answer is: C. 10 mm represents 0.5 m. 1 cm represents 0.5 m. 11.5 × 0.5 = 5.75 m

9. The correct answer is: B. 10 mm represents 0.5 m. 1 cm represents 0.5 m. 200 cm = 2 m. 2 ÷ 0.5 = 4 cm

Maps and plans quiz

10. The correct answer is: B. 1:50 000 means 1 cm represents

    50 000 cm = 0.5 km

    25 cm = 0.5 × 25 = 12.5 km