Length and distance quiz

Level A

1. What does the abbreviation km stand for?
   A) kilogram
   B) kilomile
   C) kilometre
   D) kilolitre

2. Which unit of length is the most suitable for measuring the height of a tree?
   A) mm
   B) cm
   C) m
   D) km

3. What is the reading on the tape measure in cm?
   A) 71 cm
   B) 70 cm
   C) 72 cm
   D) 70.5 cm

4. A map has a scale of 1 cm = 10 km, so 2 cm = 5 km
   A) True
   B) False
Length and distance quiz

5. The scale of this map is 1 cm to 5 km.

How many km is it from B to C?

A) 25  
B) 1  
C) 30  
D) 10

6. You are buying a new carpet for your bedroom and want to check the length of the room. You estimate your room to be about 4 metres long. What instrument would you use to measure the length?

A) 30 cm ruler  
B) 1 m ruler  
C) sewing tape measure  
D) DIY tape measure
Length and distance quiz

7. Which of these statements is correct?
   A) A kilometre is one metre
   B) A kilometre is ten metres
   C) A kilometre is ten thousand metres
   D) A kilometre is one thousand metres

8. You are buying a new double bed for your bedroom and want to buy the widest. Which bed is the widest?
   A) A - 135 cm
   B) B - 160 cm
   C) C - 145 cm
   D) D - 165 cm

9. You've measured your bedroom for your new bed and realised you can only fit a bed of width 159 cm in the room. Which is the widest bed you can buy?
   A) A - 135 cm
   B) B - 160 cm
   C) C - 145 cm
   D) D - 165 cm

10. Which of these statements is incorrect?
    A) 1 000 mm = 1 m
    B) 100 mm = 1 cm
    C) 100 cm = 1 m
    D) 1 000 m = 1 km
Length and distance quiz

Level B

1. Which of these is usually sold by the metre?
   A) Wine
   B) Paper
   C) Carpet
   D) The distance to the next city

2. Which unit of length is the most suitable for measuring the length of a nail?
   A) mm
   B) cm
   C) m
   D) km

3. Estimate the measurement on this tape measure.
   A) 68 cm
   B) 68.4 cm
   C) 67.5 cm
   D) 68.8 cm
Length and distance quiz

4. The scale of this map is 1 cm = 4 km. How long is the journey B to A to C?

A) 8 km  
B) 32 km  
C) 2 km  
D) 20 km

5. The minimum height for a child to go on a ride is 100 centimetres. This is the same as...

A) 10 metres  
B) 1 millimetre  
C) 1 metre  
D) 10 millimetres

6. Which is the correct abbreviation for millimetre?

A) mm  
B) mimi  
C) mmtr  
D) mili
Length and distance quiz

7. The distance between two towns on a map is 20 cm. The map scale is 1 cm = 5 km, so this is a real distance of...
   A) 4 km
   B) 5 km
   C) 100 km

8. Which of the following could be the height of an adult person?
   A) 170cm
   B) 170m
   C) 170mm
   D) 170kg

9. 3 cm represents 1 km on this map. Dan travelled from D to B; how far was that?
   A) 27 km
   B) 9 km
   C) 3 km
   D) 2
Length and distance quiz

10. What is the length of this bolt in mm?

A) 15 mm
B) 5 mm
C) 20 mm
D) 15 cm
Length and distance quiz

Level C

1. On a map with a scale of 1 cm to 15 km the distance between two places is 3 cm. This represents 5 km.
   A) True
   B) False

2. The journey DFGH is a total of:

   ![Diagram showing distances](scale-3-cm-1-km)

   A) 11 km
   B) 99 km
   C) 33 km

3. What is 0.75km in metres?

   A) 75 m
   B) 750 m
   C) 7500 m
   D) 7.5
Length and distance quiz

4. Val cycled from C to A, then on to B. How far was that?

A) 4 km  
B) 8 km  
C) 32 km

5. What is 1/2 metre the same as?

A) 12 mm  
B) 120 mm  
C) 200 mm  
D) 500 mm

6. What is a good estimate for the length of a sheet of A4 paper?

A) 500 mm (50 cm)  
B) 300 mm (30 cm)  
C) 30 mm (3 cm)  
D) 200 mm (20 cm)

7. Jo used a map with a scale of 1 cm to 10 km to plan her trip. The first stage was 13 cm and the next was 17 cm. So she travelled:

A) 3 km  
B) 30 km  
C) 300 km
Length and distance quiz

8. The distance between two towns is 35km. On a map this distance measures 7cm. The map scale is ...
   
   A) 7cm = 1km  
   B) 1 km = 5 cm  
   C) 1 cm = 5 km  
   D) 5km = 7cm

9. What is 1/4 kilometre the same as?
   
   A) 400 metres  
   B) 200 metres  
   C) 750 metres  
   D) 250 metres

10. Four lengths of material measure 2.08 metres, 20.8 metres, 2.8 metres and 8.02 metres. Which is the shortest length of material?
    
    A) 2.08 m  
    B) 20.8 m  
    C) 2.8 m  
    D) 8.02m
Length and distance quiz

Level A

1. What does the abbreviation km stand for?
   The correct answer is: C. kilometre
   The abbreviation km stands for kilometre.

2. Which unit of length is the most suitable for measuring the height of a tree?
   The correct answer is: C. m
   The most suitable unit of length for measuring the height of a tree would be m or metres.

3. What is the reading on the tape measure in cm?
   The correct answer is: A. 71 cm
   The reading on the tape measure is 71 cm.

4. A map has a scale of 1 cm = 10 km, so 2 cm = 5 km.
   The correct answer is: B. False
   You need to multiply by 10, (10 x 2 = 20) so the answer is 20 km.

5. The scale of this map is 1 cm to 5 km. How many km is it from B to C?
   The correct answer is: A. 25
   You multiply the measurement by 5 to get the answer in km.
   5 x 5 = 25.
Length and distance quiz

6. You are buying a new carpet for your bedroom and want to check the length of the room. You estimate your room to be about 4 metres long. What instrument would you use to measure the length?

   The correct answer is: D. DIY tape measure

   When measuring a distance, such as the length of your room, you would use a DIY tape measure.

7. Which of these statements is correct?

   The correct answer is: D. A kilometre is one thousand metres

   Kilo stands for thousand. A kilometre is one thousand metres.

8. You are buying a new double bed for your bedroom and want to buy the widest. Which bed is the widest?

   The correct answer is: D – 165 cm

   Bed D is the widest at 165 cm.

9. You've measured your bedroom for your new bed and realised you can only fit a bed of width 159 cm in the room. Which is the widest bed you can buy?

   The correct answer is: C – 145 cm

   The widest bed you can fit in the room is bed C which is 145 cm wide.

10. Which of these statements is incorrect?

    The correct answer is: B. 100 mm = 1 cm

    100 mm does not equal 1 cm. There are 10 mm in 1 cm.
Length and distance quiz

Level B

1. Which of these is usually sold by the metre

   The correct answer is: C. Carpet

   Carpets are sold by length measured in metres.

2. Which unit of length is the most suitable for measuring the length of a nail?

   The correct answer is: A. mm

   The most suitable unit for measuring the length of a screw would be mm or millimetres.

3. Estimate the measurement on this tape measure.

   The correct answer is: B. 68.4 cm

   The tape measure reads 68.4 cm.

4. The scale of this map is 1 cm = 4 km. How long is the journey B to A to C?

   The correct answer is: B. 32 Km.

   \[3 + 5 = 8\text{cm.}\]

   \[1 \text{ cm} = 4 \text{ km}\]

   \[8 \times 4 = 32\text{km.}\]

5. The minimum height for a child to go on a ride is 100 centimetres. This is the same as ...

   The correct answer is: C. 1 metre.

   100 centimetres is the same as 1 metre
Length and distance quiz

6. Which is the correct abbreviation for millimetre?

   The correct answer is: A. mm
   
The abbreviation for millimetre is mm.

7. The distance between two towns on a map is 20 cm. The map scale is 1 cm = 5 km, so this is a real distance of ...

   The correct answer is: C. 100 km
   
The scale is 1 cm = 5 km so multiply the number of centimetres on the map to give the real distance in kilometres: 20 x 5 = 100 km.

8. Which of the following could be the height of an adult person?

   The correct answer is: A. 170cm
   
   An adult person could be 170 cm (1.7m) tall.

9. 3 cm represents 1 km on this map. Dan travelled from D to B; how far was that?

   The correct answer is: C. 3 km
   
The distance is 9 cm on the map. You need to divide by 3 for the answer in kilometres.
   
   $9 \div 3 = 3$.

10. What is the length of the bolt in mm?

    The correct answer is: A. 15 mm
    
The length of the bolt is 15 mm.
Length and distance quiz

Level C

1. On a map with a scale of 1 cm to 15 km the distance between two places is 3 cm. This represents 5 km.

   The correct answer is: B. False

   The scale means each centimetre on the plan is 15 km on the road. So to find the real distance you multiply by 15: \(3 \times 15\)

2. The journey DFGH is a total of:

   The correct answer is: A. 11 km

   The distance totals 33 cm \((6 + 8 + 19)\)

   The scale is 3 cm = 1 km; so to find the real distance divide the distance on the map (cm) to get the road distance in kilometres

   \(33 \div 3 = 11\) km

3. What is 0.75 km in metres?

   The correct answer is: B. 750 m

   There are 1000 m in 1 km, and so 750 m in 0.75 km.

4. Val cycled from C to A, then on to B. How far was that?

   The correct answer is: C. 32 km

   \(6 + 2 = 8\) cm. \(8 \times 4 = 32\) km
Length and distance quiz

5. What is 1/2 metre the same as?

   The correct answer is: D. 500 mm

   1 metre is the same as 1 000 mm so half of this is 500 mm. 1/2 a metre is the same as 500 mm.

6. What is a good estimate for the length of a sheet of A4 paper?

   The correct answer is: B. 300 mm (30 cm)

   A good estimate for the length of a sheet of A4 paper is 300mm (30cm).

7. Jo used a map with a scale of 1 cm to 10 km to plan her trip. The first stage was 13 cm and the next was 17 cm. So she travelled:

   The correct answer is: C. 300 km

   \[13 + 17 = 30 \text{ cm}.
   \]
   \[30 \times 10 = 300 \text{ km}.
   \]

8. The distance between two towns is 35km. On a map this distance measures 7cm. The map scale is:

   The correct answer is: C. 1 cm = 5 km

   1 cm = 5 km is the correct scale

9. What is 1/4 kilometre the same as?

   The correct answer is: D. 250 metres

   1 kilometre is the same as 1 000 metres so quarter of this is 250 metres. 1/4 kilometre is the same as 250 metres.
Length and distance quiz

10. Four lengths of material measure 2.08 metres, 20.8 metres, 2.8 metres and 8.02 metres. Which is the shortest length of material?

The correct answer is: A. 2.08 m

2.08 m is the shortest length.