

Subject: Mathematics

Class: 7

Topic: Measurement (Measuring Lengths)

Levels: Basic, Intermediate, Advanced

Level: Basic

1. The standard SI unit of length is the _____ (metre/litre).
2. Convert 5 km into metres: _____ m. (Hint: 1 km = 1000 m)
3. A standard ruler used in school is usually 15 _____ long. (cm/km)
4. Arjun bought 3 m of cloth. How many centimetres is that? _____ cm.
5. Which is longer? 100 cm or 1 m? Answer: _____
6. A pencil is about 12 _____ long. (mm/km)
7. Convert 450 cm into metres and centimetres: _____ m _____ cm.
8. The distance between two cities like Delhi and Mumbai is measured in _____.
9. Identify the symbol: 10? cm is the same as 100 cm. Is this True? [?]
10. If a wire is 12 m long and you cut 4 m, how much is left? _____ m.

Subject: Mathematics

Class: 7

Topic: Measurement (Measuring Lengths)

Levels: Basic, Intermediate, Advanced

Level: Intermediate

1. A saree is 5.5 m long. Express this length in cm: _____ cm.
2. Anish walks 2.4 km every morning. How many metres does he walk? _____ m.
3. Add: 12 m 45 cm + 15 m 85 cm = _____ m _____ cm.
4. Subtract 450 m from 1 km. Result: _____ m.
5. A cricket pitch is approximately 20.12 m. Convert this to mm: _____ mm.
6. If 1 cm = 10 mm, then a line of 7.8 cm is _____ mm long.
7. A map uses a scale where 1 cm = 50 km. If the distance between two towns is 4 cm on the map, the real distance is _____ km.
8. A tailor uses 2 m 25 cm of cloth for one shirt. How much cloth is needed for 2 shirts? _____
9. Compare using >, < or = : 5000 m [?] 5 km.
10. The height of a doorway is 2.1 m. Express this in mm: _____ mm.

Subject: Mathematics

Class: 7

Topic: Measurement (Measuring Lengths)

Levels: Basic, Intermediate, Advanced

Level: Advanced

1. The perimeter of a square garden is 40 m. What is the length of one side in cm? _____ cm.
2. A rope of length 15.75 m is divided into 5 equal parts. Length of each part: _____ m.
3. The ratio of the length to breadth of a park is 3:2. If the length is 300 m, the breadth is _____ m.
4. If the circumference of a circular wheel is $2\pi r$, and $r = 14$ cm, calculate the length of one rotation (Use $\pi = 22/7$): _____ cm.
5. A pole is $\frac{1}{4}$ th under the ground. If the total length is 12 m, how many metres are above the ground? _____ m.
6. Convert the speed of 36 km/hr into metres per second (m/s): _____ m/s.
7. A wire in the shape of a circle of radius 7 cm is straightened. What is its length? (Hint: $2\pi r$) _____ cm.
8. The distance between two pillars is 0.05 km. How many such pillars are needed for a 1 km flyover? _____
9. A ribbon costs ₹15 per metre. How much will 350 cm of ribbon cost? ₹ _____
10. Calculate the hypotenuse of a triangle if the sides are 3 cm and 4 cm using ? logic or Pythagoras: _____ cm.