

Subject: Maths

Class: 7

Topic: Measurement (Estimating Lengths)

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Estimate the length of a standard ₹500 note in cm: (a) 5cm (b) 15cm (c) 50cm.
2. Which unit is best to measure the height of the Taj Mahal? (m / km / mm).
3. A standard cricket bat is about 1 _____ long. (m / km / cm).
4. Estimate the length of a sharpened Nataraj pencil: _____ cm.
5. Is the width of a Class 7 textbook closer to 20 cm or 20 m? _____.
6. A single grain of Basmati rice is about 8 _____ long. (m / mm / km).
7. Estimate the height of a standard Indian classroom door: _____ m.
8. Which is longer: 500 cm or 5 m? (Use symbol: = for equal, ≠ for different).
9. The length of a standard safety pin is approximately _____ mm.
10. Estimate the thickness of a ₹10 coin: _____ mm.

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Level: Intermediate

1. Arjun walks 10 steps. If each step is ~60 cm, estimate the total distance: _____ m.
2. A standard Saree is usually 5.5 m long. Is this > or < than 500 cm? _____.
3. Estimate the length of a Bangalore-to-Mumbai flight path: _____ km.
4. If a table is 4 spans long and 1 span = 15 cm, the total length is _____ cm.
5. The perimeter of a standard Kabaddi court is roughly _____ m. (6m / 40m / 200m).
6. Estimate the length of a ? (flower) petal: _____ mm.
7. A Maruti Suzuki Swift is roughly _____ m in length. (1m / 4m / 10m).
8. Which is a better estimate for a laptop screen width? 35 cm or 35 mm? _____.
9. The height of a Class 7 student like Ishaan is likely _____ cm.
10. Estimate the length of a standard cricket pitch: _____ m.

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Level: Advanced

1. If $\pi \approx 3$, estimate the circumference of a 25 coin with a 2 cm diameter: _____ cm.
2. Estimate the area of a stamp in cm^2 if its sides are ~ 2 cm and ~ 3 cm: _____ cm^2 .
3. A wire is wrapped around a square plot of side 10.2 m. Estimate total wire: _____ m.
4. If a map scale is 1 cm = 50 km, estimate the real distance for a 4.1 cm line: _____ km.
5. The height of a 10-story apartment building in Delhi is approx: _____ m.
6. Calculate the approximate length of a diagonal of a 3m x 4m room: _____ m.
7. A circular Rangoli has a radius of ≈ 70 cm. Estimate its diameter: _____ m.
8. Estimate the total length of 12 standard rulers (30cm each) in meters: _____ m.
9. If a car travels 1 km in 1 minute, estimate its speed in m/s: _____ m/s.
10. Estimate the number of 20 cm tiles needed for a 2 m long shelf: _____ tiles.