



Convert 9.5mm (millimeter) into meter?

9.5mm = _____ ?

95 m

950 m

0.0095 m

9.5%

Show Answer...

Correct Answer: 0.0095 m

Explanation of Convert 9.5mm (millimeter) into meter?

The correct answer is **0.0095 m**.

Step-by-Step Solution:

To convert millimeters (mm) into meters (m), you need to know that:

1) **1 meter = 1000 millimeters.**

So, to convert millimeters to meters:

Meters = Millimeters ÷ 1000

Given:

- **9.5 mm = $9.5 \div 1000 = 0.0095$ m.**

Thus, 9.5 mm is equal to **0.0095 m**.

Tricks to Solve Conversion Questions:

Here are some Tricks to Solve Unit Conversion Questions:

- **Memorize Basic Conversion Units:**

- **1 millimeter (mm) = 0.001 meter (m).**
- **1 centimeter (cm) = 0.01 meter (m).**
- **1 meter (m) = 1000 millimeters (mm).**



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- **1 meter (m) = 100 centimeter (cm) .**
- **Shortcut for Converting Millimeters to Meters:**
 - Simply divide the number of millimeters by 1000 to get the result in meters

1) Know the Conversion Factors:

- **1 meter = 1000 millimeters.**
- To convert mm to meters, divide the value by 1000.
- For the reverse (meters to mm), multiply by 1000.

2) Use Decimal Shifts:

- A quick trick is to shift the decimal point three places to the left to convert mm to meters.

Example: 9.5 mm becomes **0.0095 m** when you move the decimal three places left.

3) Be Careful with Units:

- Ensure you're dealing with the right units. For example, don't confuse mm with cm or meters with kilometers.

Additional Examples for Practice:

1) Example 1:

- Convert **1500 mm** to meters:
1500 mm = 1500 ÷ 1000 = 1.5 m.

2) Example 2:

- Convert **25 mm** to meters:
25 mm = 25 ÷ 1000 = 0.025 m.

3) Example 3:

- Convert **120 mm** to meters:
120 mm = 120 ÷ 1000 = 0.12 m.

Essential Tips for Solving Unit Conversion Questions:

- 1) **Memorize Key Conversions:** Know the common metric conversions like 1 meter = 100 cm or 1 meter = 1000 mm.

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2) **Use Mental Math:** Practice shifting decimals to the left or right based on whether you're converting from smaller units to larger ones or vice versa.

3) **Check Your Units:** Always double-check which units are involved to avoid common mistakes.

These tips will help you approach unit conversion questions confidently and accurately.

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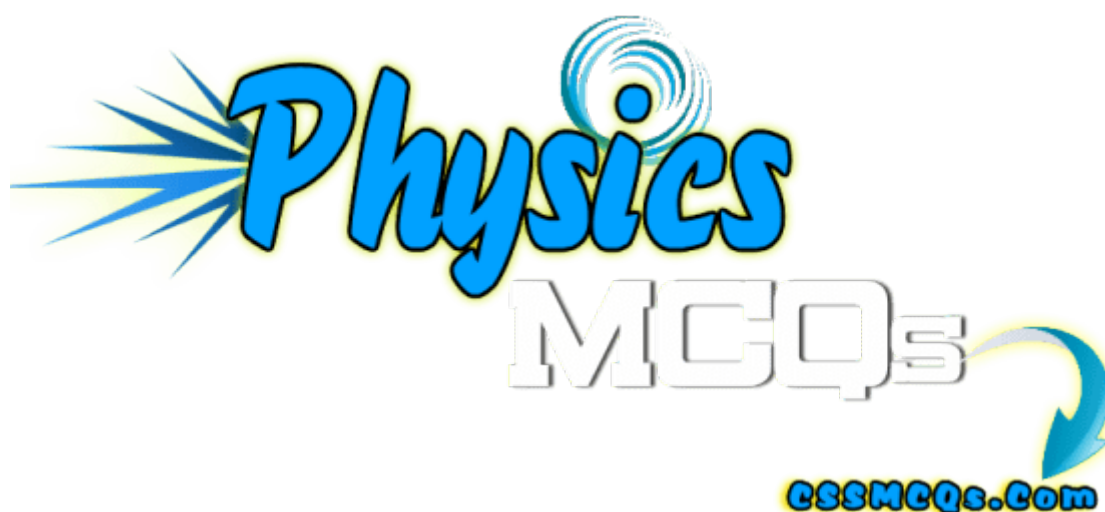
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