Chapter 3 Class 7 A Peek Beyond The Point - Mix Questions Worksheet 1 by *teachoo*

Chapter: **Chapter 3 Class 7 Maths – A Peek Beyond Point**

Name: _____

School: _____

Roll Number: _____

1. (2 Marks) A car mechanic reports that a new piston is 0.2 cm wider than the engine's cylinder. Explain in practical terms why the engine will not work with this piston.

2. (2 Marks) At a jewelry store, a gold chain is marked as weighing 8.30 g . Another, identical-looking chain is marked 8.3 g . As a customer, what can you infer about the store's weighing scales from the " 8.30 g " label?

3. (2 Marks) A bill for an online purchase is ₹1500.08. Explain to a friend what the ". 08 " part of the price means and why the ' 0 ' is critically important.

4. (2 Marks) Imagine you are a 17th-century merchant. Explain why using a decimal system for money (like 3.5 florins) is more efficient for trade than using a system of 3 florins, 12 shillings, and 5 pence.

5. (2 Marks) A science experiment requires exactly 1.5 litres of a solution. You have a 500 ml beaker and a 1 litre flask. Can you create the exact amount needed? Explain your steps.

6. (2 Marks) The expression 1.75-0.6 is used by an engineer to calculate the remaining length of a steel rod. What does this calculation represent in the physical world?

7. (2 Marks) Before buying three items priced at ₹99.75, ₹49.50, and ₹199.99, you mentally estimate the total as "100 + 50 + 200 = 350". Why is this a valuable real-world skill for budgeting?

8. (3 Marks) A recipe from a UK food blogger asks for 0.25 pounds of butter. Your kitchen scale only shows grams. If 1 pound is approximately 453.6 g , how many grams of butter do you need to measure out?

9. (3 Marks) A Mars rover starts at a base station. Its mission plan is to travel 0.25 km north, then 0.25 km north again, and then a final 0.25 km north. What are the rover's distances from the base station after completing each of the three steps?

10. (3 Marks) An American tourist needs a wooden plank 2.5 feet long. A carpenter in India has a measuring tape in inches and cm . How many inches long should the carpenter cut the plank? Is this a practical measurement to make? (1 foot $=12$ inches).

Important links

- Answer of this worksheet - https://www.teachoo.com/25614/5373/Mix-Questions---Worksheet-1/category/Teachoo-Questions---Mix/

- Full Chapter with Explanation, Activity, Worksheets and more – https://www.teachoo.com/subjects/cbse-maths/class-7/chapter-3-ganit-prakash/

- Science Class 7 – https://www.teachoo.com/subjects/science/class-7/

- Maths Class 7 - https://www.teachoo.com/subjects/cbse-maths/class-7/

For more worksheets, ad-free videos and Sample Papers – subscribe to

Teachoo Black here - https://www.teachoo.com/black/