



## Problem 1 – Choosing the Unit

In this problem set, you will select the most appropriate unit for the measurement given. If more than one unit could be appropriate, choose the *best* choice from the list.

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|--|---|--|
| 1. What is the best unit to measure the medicine in a capsule?<br>_____                        | mm<br>mm <sup>3</sup><br>in. <sup>3</sup><br>m <sup>3</sup> | mm <sup>2</sup><br>km<br>in.<br>yd       |
| 2. What is the customary unit for measuring the distance between New York and Dallas?<br>_____ | mi<br>oz<br>ft <sup>2</sup>                                 | m<br>lb<br>in. <sup>2</sup>              |
| 3. What is the metric unit for measuring the length of a paper clip?<br>_____                  | cm <sup>2</sup><br>yd <sup>3</sup><br>yd <sup>2</sup>       | cm <sup>3</sup><br>cm<br>ft <sup>3</sup> |
- 
- |  |   |
|--|---|
| 4. What is the unit for measuring the weight of a serving of fish?<br>_____                            | 7. What is the customary unit for measuring the area of wall that needs to be painted?<br>_____ |
| 5. What is the metric unit for measuring the distance a marathon runner runs during practice?<br>_____ | 8. What is the customary unit for measuring the volume of sand a dump truck carries?<br>_____   |
| 6. What is the customary unit for measuring the distance a player throws a football?<br>_____          | 9. What is the metric unit for measuring the surface area of a small birthday present?<br>_____ |
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10. Could more than one unit be appropriate for Questions 1-9? If so, given an example and explain why. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
11. If Question 5 did not specify metric unit, what other unit would be appropriate?  
 \_\_\_\_\_



# What's the Unit of Choice?

## Problem 2 – Changing the Unit

In Questions 12 – 18, convert each given unit to a more appropriate unit. Use the **Convert** menu if needed.

12. Your cousin in England says she used 32 liters of gas to go to work last week. You tell this to a friend at school.

Answer: \_\_\_\_\_

13. Ron said he jogged 26,400 ft last Saturday.

Answer: \_\_\_\_\_

14. Angie's doctor told her to drink 250 cm<sup>3</sup> of milk three times a day.

Answer: \_\_\_\_\_

15. The label on a package reads "Mix with 600 oz of warm water."

Answer: \_\_\_\_\_

17. Jodi says the distance between her house and your house is 0.035 km.

Answer: \_\_\_\_\_

16. Your grandpa describes the size of a fishing pond as 8,250,000 m<sup>2</sup>.

Answer: \_\_\_\_\_

18. The carpenter described the fence around the yard as 2,160 inches.

Answer: \_\_\_\_\_

19. Why is using kilometers to discuss distance between cities better than meters?

\_\_\_\_\_  
\_\_\_\_\_

20. Name one criterion you might use for deciding if a different unit should be use for a given measurement?

\_\_\_\_\_  
\_\_\_\_\_

From a clear Home screen, press 32 [2nd] [UNIT], then choose [3] for volume, [1] to choose liters, [2] to choose gallons, then [ENTER].

