

Medical Math Pretest

Name: _____

Date: _____

1. Write the abbreviation for and identify each of the following as metric, US household or apothecary systems of measure.

Abbreviation		Measurement System
_____	teaspoon	_____
_____	kiloliter	_____
_____	grain	_____

2. $110 \text{ lb} = \underline{\hspace{2cm}} \text{ kg}$

3. $500 \text{ mL} = \underline{\hspace{2cm}} \text{ qt}$

4. $7 \text{ fl oz} = \underline{\hspace{2cm}} \text{ mL}$

5. $80 \text{ gr} = \underline{\hspace{2cm}} \text{ g}$

6. Circle the answer: If 300 jellybeans cost x dollars, how many jellybeans can you purchase for 50 cents at the same rate?

A. $150 / x$

B. $150x$

C. $6x$

D. $x / 6$

E. $1500x$

7. Circle the answer: You have orders to give a patient 20 mg of a certain medication. The medication is stored 4 mg per 5-mL dose. How many milliliters will need to be given?

A. 15 mL

B. 20 mL

C. 25 mL

D. 30 mL

8. Complete the following statements:

$1000 \text{ mg} = \underline{\hspace{2cm}} \text{ g}$

$$2.2 \text{ lbs} = \underline{\hspace{2cm}} \text{ kg}$$

$$30 \text{ cc} = \underline{\hspace{2cm}} \text{ fl oz}$$

$$2.54 \text{ cm} = \underline{\hspace{2cm}} \text{ inch(s)}$$

9. A pharmacist needs to make 100 capsules, each containing 1 mg of a drug. The drug comes in a bulk package of 500 grams. How many grams of the drug will be needed to make the capsules?

- A. 1 gram
- B. 1 gram
- C. 25 grams
- D. 100 grams

10. Complete the following proportions:

$$\frac{8oz}{16Tablespoons} = \frac{xoz}{3Tablespoons}$$

$$\frac{4 \text{ fl oz}}{120 \text{ cc}} = \frac{1 \text{ fl oz}}{x \text{ cc}}$$

$$\frac{1 \text{ ml}}{x \text{ L}} = \frac{5 \text{ ml}}{.005 \text{ L}} \quad \frac{1 \text{ ml}}{x \text{ L}} = \frac{5 \text{ ml}}{.005 \text{ L}}$$