# Health Science I \& II <br> Systems of Measurement 

## PLEASE REMEMBER TO SHOW ALL YOUR WORK!!!

Round all answers to the nearest hundredth.
Questions 1 and 2: As a Health Care Assistant you are helping with the assessment of an infant. The baby is 19 inches long and weighs 6 pounds.

1. What is the baby's length in cm ?
2. What is the baby's weight in kg and g ?
3. A Nurse is preparing an IM injection for the patient. The Doctor ordered 10 mL of Rocephin. The syringe is a cc syringe. How many cc's would the nurse draw up in the syringe?
4. A patient voids 650 cc's into the specimen hat. How many fluid ounces would that be?
5. A baby drinks a 5 fl. oz. bottle of milk. How many mL's is this?
6. The bleeding patient received a blood transfusion of 500 mL . How many cc's will the patient receive?

Questions 7 and 8: My grandson weighed $8 \mathrm{lbs} ., 7 \mathrm{oz}$. at birth.
7. What was his weight in $g$ ?
8. What was his weight in kg ?

Questions 9 and 10: Susie $Q$ went to the doctor, the nurse told her she weighed 72 kg , and was 126 cm . This confused Susie Q, so please convert this so she will know what her height and weight is in lbs. and ft. \& in.
9. What is her weight in lbs?
10. What is her height in ft \& in.?
11. The laceration on Mrs. Jone's abdomen is 6 " long. How long is the laceration in cm ?

Questions 12 through 19:
On the $1^{\text {st }}$ line: $\quad \mathrm{A}=$ US Customary/Household System
B = Metric System

On the $2^{\text {nd }}$ line: write the correct symbol/abbreviation
12. $\qquad$ 13. $\qquad$ Teaspoon $\qquad$
14. $\qquad$ Milliliter $\qquad$ 15. $\qquad$ Fluid Ounce $\qquad$
16. $\qquad$ Milligram $\qquad$
18. $\qquad$ 18.__ Cubic Centimeter ___
$\qquad$
17. $\qquad$ Tablespoon $\qquad$
19. $\qquad$ Ounce

Questions 20 through 22: John Deere is on a liquid diet since his surgery. Add up his oral intake for the evening shift.

| Supper | HS Snack | Urine Output |
| :--- | :--- | :--- |
| 200 mL coffee | 220 mL coffee | voided 400 mL |
| 750 mL water | 125 mL water | voided 500 mL |
| 250 mL jello | 240 mL jello | voided 425 mL |
| 220 mL broth |  |  |

20. What is John's oral intake in cc's?
21. How many fluid ounces of liquid did he take in?
22. What was his total output in mL ?

Questions 23 through 31: Make the conversions for the following. DON'T FORGET TO SHOW YOUR WORK, and also round your answers to the nearest hundredth.
23. $54 \mathrm{lbs} . \quad=\quad \ldots \mathrm{kg}$
24. 123 lbs. $=$ g
25. $23 \mathrm{in}=.\quad \mathrm{cm}$
26. $72 \mathrm{in} . \quad=\quad$ ft. \& in.
27. $6^{\prime} 5^{\prime \prime}=\quad \mathrm{cm}$
28. $12 \mathrm{fl} . \mathrm{oz}=\quad \mathrm{mL}$
29. $240 \mathrm{~mL}=\quad$ fl. oz.
30. $500 \mathrm{mg}=\ldots \mathrm{g}$
31. . $25 \mathrm{~L}=$ $\qquad$ mL

