

OB PRACTICE MATH

(Please use the conversions listed below and round your answers to the nearest tenth.)

$$1 \text{ lb.} = 454 \text{ grams}$$

$$1 \text{ oz.} = 28.4 \text{ grams}$$

$$2.2 \text{ lbs.} = 1 \text{ kg.}$$

$$1 \text{ in.} = 2.54 \text{ cm}$$

Remember the IV calculation for drips/min:

$$\frac{\text{mL/hr} \times \text{drips/mL}}{60 \text{ min.}} = \text{_____ drips/min} \quad \text{OR} \quad \frac{\text{Total volume in mL} \times \text{drips/mL}}{\text{Total time in minutes}} = \text{_____ drips/min}$$

1. Infant Adam weighs 5 pounds, 6 ounces. How many grams does Adam weigh?

Solution:

$$\begin{array}{r} 454 \text{ grams} \times 5 \text{ lb.} = 2270 \text{ grams} \\ + 28.4 \text{ grams} \times 6 \text{ oz.} = \underline{170.4 \text{ grams}} \\ \text{ANSWER} \qquad \qquad \qquad 2440.4 \text{ grams} \end{array}$$

OR

$$\begin{array}{r} 16 \text{ oz./lb} \times 5 \text{ lb.} = 80 \text{ oz.} \\ + \qquad \qquad \qquad \underline{6 \text{ oz.}} \\ \text{ANSWER} \qquad \qquad \qquad 86 \text{ oz.} \times 28.4 \text{ grams} = 2442.4 \text{ grams} \end{array}$$

2. Ashley measured 19.5 inches in length at birth. What is her length in “cm”?

Solution:

$$19.5 \text{ in.} \times 2.54 \text{ cm/in} = 49.53 \quad \text{ANSWER:} \quad 49.5 \text{ cm}$$

3. Morgan weighed in at 3896 grams. Her mother would like to put her lbs. and oz. on the birth announcement. What is her weight in lbs. and oz.?

Solution:

3896 grams divided by 454 grams/lb = 8.5814 8.6 lbs. (you MUST convert the 0.6 lbs. to oz. - 0.6 lbs. is NOT 6 oz.)

.6 lbs x 16 oz/lb = 9.6 oz.

ANSWER: 8 lbs. 9.6 oz.

4. Caleb was born prematurely, weighing 1434 grams. What is his weight in lbs. and oz.?

Solution:

1434 grams divided by 28.4 oz. = 50.4929

50.4929 oz divided by 16 oz./lb = 3.1558 (CONVERT to oz.)

0.1558 lbs. x 16 oz/lb = 2.4928 2.5

ANSWER: 3 lbs. 2.5 oz.

OR

3.2 lbs

(CONVERT 0.2 lbs. to oz.)

0.2 lbs x 16 oz/lb = 3.2 oz.

ANSWER: 3 lbs. 3.2 oz.

5. Emily measured 62 cm in length. What is her length in inches?

SOLUTION:

62 cm divided by 2.54 cm/in = 24.4094 ANSWER: 24.4 inches