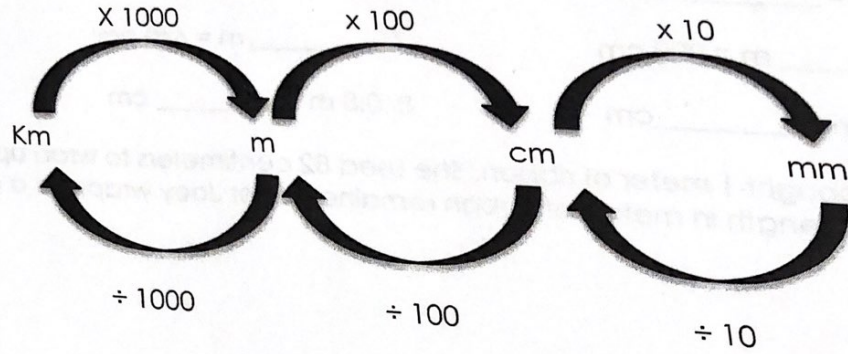


Name _____ Date _____

Metric Measurements



cm	mm
1 cm	10 mm
2 cm	
3 cm	
	50 mm
	80 mm
10 cm	
	13 mm

km	m
1 km	1000 m
2 km	
3 km	
	7000 m
	10,000 m
15 km	
	500 m

m	cm
1 m	100 cm
2 m	
5 m	
	800 cm
	1000 cm
0.5 m	
1.5 m	

m	cm
0.25 m	25 cm
0.75 m	
0.62 m	
3.85 m	385 cm
4.37 m	
	813 cm
0.6 m	

1. $16 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

5. $\underline{\hspace{2cm}} \text{ cm} = 70 \text{ mm}$

2. $2 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

6. $7 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

3. $\underline{\hspace{2cm}} \text{ m} = 900 \text{ cm}$

7. $\underline{\hspace{2cm}} \text{ m} = 640 \text{ cm}$

4. $7.53 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

8. $0.8 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

9. Joey bought 1 meter of ribbon. She used 82 centimeters to wrap up a gift. What length in meters of ribbon remained after Joey wrapped a gift?

10. Pat bought 4 meters of wood trim. He used 76 centimeters to frame a photo of his family and three times that length to frame a photo of his championship basketball team. What length in meters of wood trim remained after Pat made the frames?

11. Liz needs 35 centimeters of ribbon for each craft she makes. What is the greatest number of crafts Liz can make with 2 meters of ribbon?

Name _____

Date _____

CUPID LOGIC

Each symbol has a numerical value. Use the clues to determine the value of each symbol.

Note: Identical symbols have the same value.

$$\text{Cupid} + \text{Cupid} + \text{Cupid} = 27$$

$$\text{Heart} \times \text{Cupid} = 12$$

$$\text{Cupid} - \text{Heart} - \text{Heart} = 3$$

$$\text{Cupid} + \text{Heart} + \text{Cupid} = ?$$

Name: _____

Date: _____

Measuring Units Worksheet

Convert.

1 a. $14,449 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

1 b. $18,230 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

2 a. $217 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

2 b. $957 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

3 a. $1,473 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

3 b. $0.6 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

4 a. $2.1 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

4 b. $0.8 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

5 a. $25.5 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

5 b. $1,739 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

6 a. $1,736 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

6 b. $2.5 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

7 a. $712 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

7 b. $19,629 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

8 a. $1,192 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

8 b. $1,768 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

9 a. $5.7 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

9 b. $22.1 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

10 a. $2.9 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

10 b. $6.1 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

Metric Unit Conversion - Capacity

Example 1: $23.7 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

1 liter = 1000 milliliters

$$\begin{aligned} 23.7 \text{ L} &= 23.7 \times 1000 \\ &= 23700 \text{ mL} \end{aligned}$$

Example 2: $23700 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

1000 milliliters = 1 liter

$$\begin{aligned} 23700 \text{ mL} &= \frac{23700}{1000} \\ &= 23.7 \text{ L} \end{aligned}$$

Convert the following liters (L) to milliliters (mL).

1) $47.8 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$	2) $16 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$
3) $23.27 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$	4) $56.6 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$
5) $17.412 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$	6) $76.52 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$
7) $35.53 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$	8) $91.6 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

Convert the following milliliters (mL) to liters (L).

9) $32700 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$	10) $67900 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$
11) $5000 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$	12) $21156 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$
13) $89300 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$	14) $48190 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$
15) $53600 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$	16) $93200 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$