

Name Key

Date _____

Learning Target: Solves problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

1. Complete each measurement chart.

Meters	Centimeters	Milliliters	Liters	Meters	Kilometers
4	400	1,000	1	1,000	1
5	500	9,000	9	7,000	7
1	100	3,000	3	2,000	2
9	900	6,000	6	5,000	5
10	1,000	4,000	4	4,000	4

2. Compare using $>$, $<$ or $=$

1,000 grams = 1 kilogram

8,108 grams > 8 kilograms

3,000 grams = 3 kilograms

8,422 grams > 5 kilograms

3. Find the sums and differences. Rename units if needed.

a.

$$\begin{array}{r} 83 \text{ km} \quad 542 \text{ m} \\ + 17 \text{ km} \quad 757 \text{ m} \\ \hline 100 \text{ km} \quad 1,299 \text{ m} = \\ \\ 101 \text{ km} \quad 299 \text{ m} \end{array}$$

b.

$$\begin{array}{r} 85 \text{ kg} \quad 92 \text{ g} \\ + 24 \text{ kg} \quad 89 \text{ g} \\ \hline 109 \text{ kg} \quad 181 \text{ g} \end{array}$$

d.

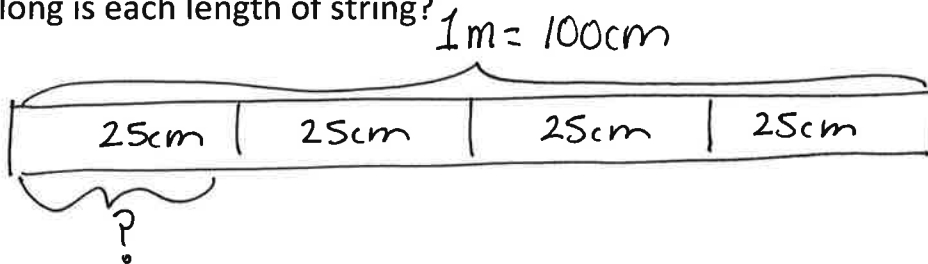
$$\begin{array}{r} 7 \quad 1180 \\ \cancel{8} \text{ km} \quad \cancel{180} \text{ m} \\ - 2 \text{ km} \quad 520 \text{ m} \\ \hline 5 \text{ km} \quad 660 \text{ m} \end{array}$$

e.

$$\begin{array}{r} 7 \quad 012 \\ \cancel{38} \text{ kg} \quad \cancel{28} \text{ g} \\ - 25 \text{ kg} \quad 55 \text{ g} \\ \hline 12 \text{ kg} \quad 973 \text{ g} \end{array}$$

4. Solve using words, numbers, pictures or tape diagrams.

- a. Robert divided a 1 meter string from a ball of string into 4 equal sized lengths. How many centimeters long is each length of string?



Each piece of string is 25 cm long.

- b. Kate weighed a melon and found that it was 6 kg. She gave a 500g piece to her uncle. How much does the melon weigh now?

$$6\text{ kg} = 5\text{ kg } 1,000\text{ g}$$

$$\begin{array}{r} 5\text{ kg } 1,000\text{ g} \\ - \quad \quad 500\text{ g} \\ \hline 5\text{ kg } 500\text{ g} \end{array}$$

The watermelon now weighs
5 kg 500g.

- c. Ruby had 4 L 420 mL of water in a tank. She filled a 500 milliliter bucket and watered her plants. How much water is left in the tank?

$$\begin{array}{r} \overset{3}{\cancel{4}}\text{ L } 420\text{ mL} \\ - \quad \quad 500\text{ mL} \\ \hline 3\text{ L } 920\text{ mL} \end{array}$$

There is 3 L 920 mL of
water left in the tank.