

Name Key

Date \_\_\_\_\_

1.

| Distance     |                 |
|--------------|-----------------|
| 71 km        | <u>71,000</u> m |
| <u>30</u> km | 30,000 m        |
| 81 m         | <u>810</u> cm   |
| <u>4</u> m   | 400 cm          |

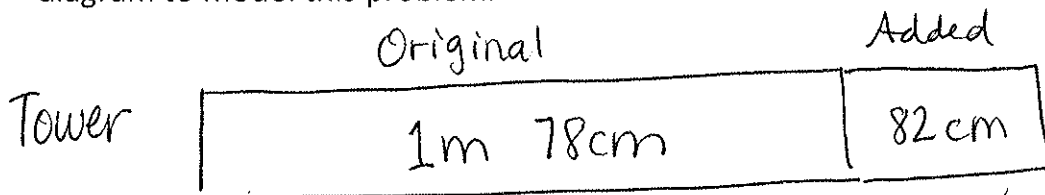
2.  $13 \text{ km } 20 \text{ m} = \underline{13,020} \text{ m}$

3.  $41 \text{ km } 101 \text{ m} - 34 \text{ km } 153 \text{ m} = \underline{6 \text{ km } 948 \text{ m}}$

$$\begin{array}{r}
 0 \text{ km } 101 \text{ m} \\
 41,101 \text{ m} \\
 - 34,153 \text{ m} \\
 \hline
 6,948 \text{ m}
 \end{array}$$

6 km 948 m

4. Gabe built a toy tower that measured 1 m 78 cm. After building some more, he measured it, and it was 82 cm taller. How tall is his tower now? Draw a tape diagram to model this problem.



$$\begin{array}{r}
 1 \text{ m } 78 \text{ cm} \\
 + \quad 82 \text{ cm} \\
 \hline
 1 \text{ m } 160 \text{ cm} \\
 2 \text{ m } 60 \text{ cm}
 \end{array}$$

The tower is 2m 60cm tall.

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1. Find the equivalent measures.

a. 21 kg 415 g = 21,415 g

c. 87 kg 17 g = 87,017 g

b. 2 kg 91 g = 2,091 g

d. 6 kg 20 g = 6,020 g

Directions: Use a tape diagram to model and solve the problems below.

The table below shows the weight of three dogs.

| Dog              | Weight     |
|------------------|------------|
| Great Dane       | 59 kg      |
| Golden Retriever | 32 kg 48 g |
| Chihuahua        | 1,329 g    |

2. Use a tape diagram to show the three dogs in order from lightest to heaviest.

Ch. 1,329 g ?

G.R. 32 kg 48 g

G.D. 59 kg

3. How much more does the Great Dane weigh than the Chihuahua?

59 kg - 1,329 g

$$\begin{array}{r}
 57\text{kg } 199\text{g } 10 \\
 \underline{- 1329\text{g}} \\
 57\text{kg } 671\text{g}
 \end{array}$$

The Great Dane weighs 57kg 671g more than the Chihuahua.

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1. Find the missing numbers.

a. 6 L 127 mL = 6,127 mL

b. 706 L 220 mL = 706,220 mL

c. 12 L 9 mL = 12,009 mL

d. 906 L 10 mL = 906,010 mL

2. 81 L 603 mL - 22 L 489 mL =

$$\begin{array}{r} 7 \text{ L} \quad 59 \text{ L} \\ 81 \text{ L} \quad 603 \text{ mL} \\ - 22 \text{ L} \quad 489 \text{ mL} \\ \hline 59 \text{ L} \quad 114 \text{ mL} \end{array}$$

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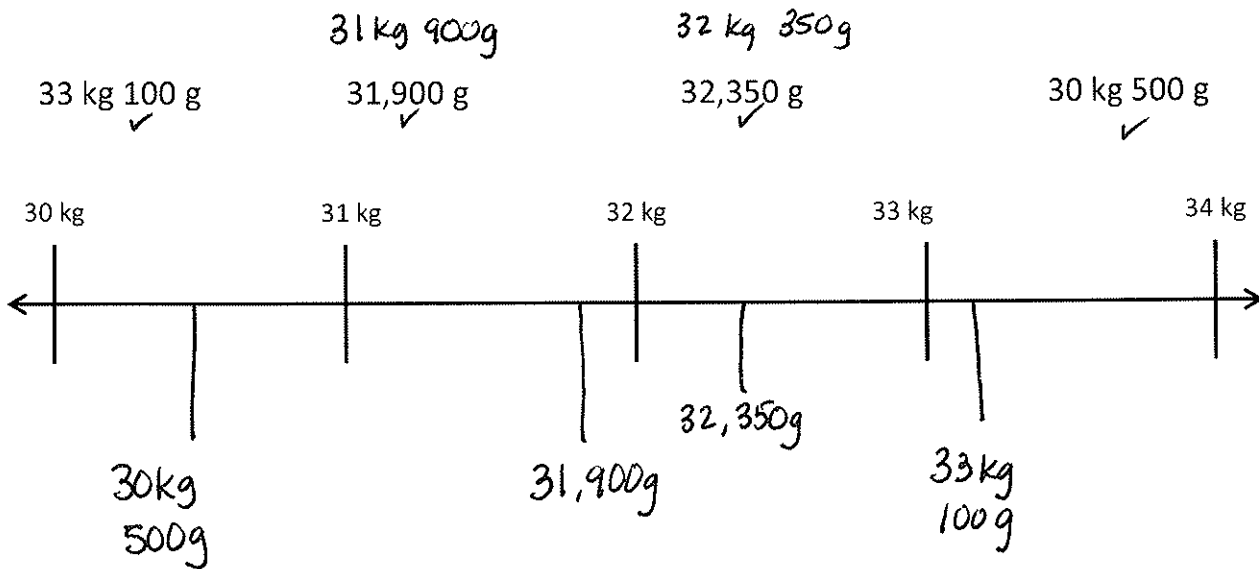
1. Fill in the missing unit in word form.

a. 8,135 is 8 thousands and 135 ones.

b. 8,135 <sub>g</sub> is 8 Kilograms and 135 grams

2. 42,645 mL is equal to 42 L and 645 mL

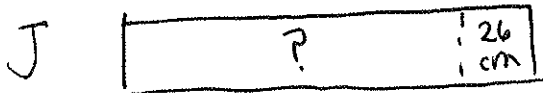
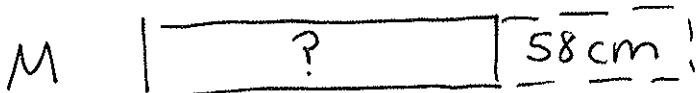
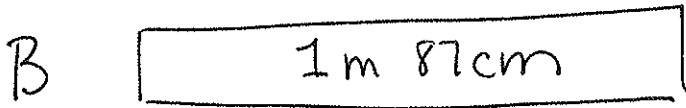
3. Place the following measurements on the number line:



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Use a tape diagram to model and solve the problem below.

1. Bryan is 1 m 87 cm tall. Mike is 58 cm shorter than Brian. Jay is 26 cm taller than Mike. How tall is Jay?



$$B \quad \begin{array}{r} 1\text{ m } 87\text{ cm} \\ - 58\text{ cm} \\ \hline 1\text{ m } 29\text{ cm} \end{array}$$

$$- 58\text{ cm} \\ \hline 129\text{ cm} = \text{Mike}$$

$$M \quad 129\text{ cm}$$

$$+ 26\text{ cm} \\ \hline 155\text{ cm} = \text{Jay}$$

Jay is 1 m 55 cm tall.