

Name _____

Date _____

1. Complete the conversion table.

Distance	
71 km	_____ m
_____ km	30,000 m
81 m	_____ cm
_____ m	400 cm

2. 13 km 20 m = _____ m

3. 401 km 101 m – 34 km 153 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. Use a simplifying strategy or an algorithm to solve, and write your answer as a statement.

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1. Convert the measurements.

a. 21 kg 415 g = _____ g

b. 2 kg 91 g = _____ g

c. 87 kg 17 g = _____ g

d. ____ kg ____ g = 96,020 g

Use a tape diagram to model the following problem. Solve using a simplifying strategy or an algorithm, and write your answer as a statement.

2. The table to the right shows the weight of three dogs. How much more does the Great Dane weigh than the Chihuahua?

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

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1. Convert the measurements.

a. $6 \text{ L } 127 \text{ mL} = \underline{\hspace{2cm}} \text{ mL}$

b. $706 \text{ L } 220 \text{ mL} = \underline{\hspace{2cm}} \text{ mL}$

c. $12 \text{ L } 9 \text{ mL} = \underline{\hspace{2cm}} \text{ mL}$

d. $\underline{\hspace{1cm}} \text{ L } \underline{\hspace{1cm}} \text{ mL} = 906,010 \text{ mL}$

2. Solve.

$81 \text{ L } 603 \text{ mL} - 22 \text{ L } 489 \text{ mL}$

Use a tape diagram to model the following problem. Solve using a simplifying strategy or an algorithm, and write your answer as a statement.

3. The Smith's hot tub has a capacity of 1,458 liters. Mrs. Smith put 487 liters 750 milliliters of water in the tub. How much water needs to be added to fill the hot tub completely?

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1. Fill in the unknown unit in word form.

a. 8,135 is 8 _____ 135 ones.

b. 8,135 kg is 8 _____ 135 g.

2. _____ mL is equal to 342 L 645 mL.

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

a. 23 km 40 m 2,340 m

b. 13,798 mL 137 L 980 mL

c. 5,607 m 560,701 cm

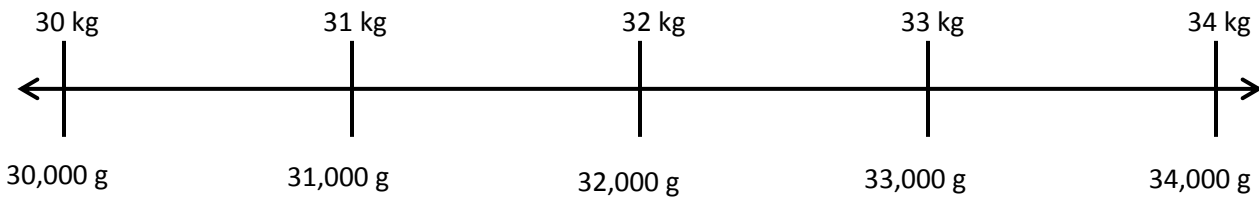
4. Place the following measurements on the number line:

33 kg 100 g

31,900 g

32,350 g

30 kg 500 g

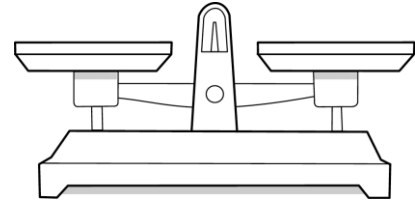


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Model each problem with a tape diagram. Solve and answer with a statement.

1. Jeff places a pineapple with a mass of 890 grams on a balance scale. He balances the scale by placing two oranges, an apple, and a lemon on the other side. Each orange weighs 280 grams. The lemon weighs 195 grams less than each orange. What is the mass of the apple?



2. Brian is 1 meter 87 centimeters tall. Bonnie is 58 centimeters shorter than Brian. Betina is 26 centimeters taller than Bonnie. How tall is Betina?