Name _____    Date _____

1. **Find the equivalent measures.**

    a. 1 kilometer = _____ meters.   How does this answer help you find how many meters are in 4 kilometers?

    b._____

    _____

    c. 7 kilometers = _____ meters

    d. _____ kilometers = 18,000 meters

2. **Find the equivalent measures.**

    a. 3 km 312 m = _____ meters

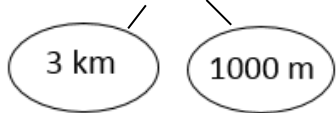    (3 km = _____ m) + 312 m = _____ meters

    b. 13 km 27 m = _____ meters

    (13 km = _____ m) + 27 m = _____ meters

    c. 915 km 8 m = _____ meters

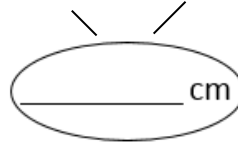    (915 km = _____ meters) + 8 m = _____ meters

3. **Solve.**

   a.  4 km  − 280 m = _____

   

   3 km      1000 m

   b. 1 m  15 cm − 34 cm = _____

   

   _____ cm

4. **Write vertically and solve.**

   1 km 31 m + 13 km 69 m =

   31 m 31 cm − 14 m 48 cm =

   67 km 230 m + 11 km 879 m =

   67 km  230 m − 11 km 279 m =

**Use a tape diagram to model each problem.**

5.  The length of Carter's driveway is 12 m 38 cm.  His neighbor's driveway is 4 m 99 cm longer.  How long is the neighbor's driveway?

6.  Enya walked 2 km 309 m from school to the store.  Then she walked from the store to her home.  If she walked a total of 5 km, how far was it from the store to her home?

Name _____    Date _____

1. Complete the table and write equivalent measurements.

| Mass | |
|---|---|
| **kg** | **g** |
| 1 | 1,000 |
| 3 | |
| | 4,000 |
| 17 | |
| | 20,000 |
| 300 | |

1 kg  500 g  =  _____ g

3 kg  715 g  =  _____ g

17 kg  84 g  =  _____ g

25 kg  9 g  =  _____ g

2. Solve.  Rename units if possible.

a.  25 kg 9 g + 24 kg 991 g =

b.  27 kg 650 g – 20 kg 990 g =

c.  14 kg 505 g – 1,288 g =

d.  5 kg 658 g + 481 g =

Directions:  Use a tape diagram to model each problem.

3.  One package weighs 2 kg 485 g.  Another package weighs 5 kg 959 g.  What is the total weight of the two packages?

4.  Together, a pineapple and a watermelon weigh 6 kg 230 g.  If the pineapple weighs 1 kg 255 g, how much does the watermelon weigh?

Name _____          Date _____

1.  Find the missing numbers.

    a.  2 L  500mL  = _____ mL

    b.  70 L  850mL = _____ mL

    c.  33 L  15mL = _____ mL

    d.  2 L  8mL = _____ mL

2.  Solve.

    a.  1,760 mL + 40 L =                    b.  7 L − 3,400 mL =

    c.  25 L  478 mL  +  3 L  812 mL =        d.  21 L − 2 L  8 mL =

Directions:  Use a tape diagram to model each problem.

3.  John's mother combined 3,500 milliliters of tropical drink, 3 liters 95 milliliters of ginger ale, and 1 liter 600 milliliters of pineapple juice to make punch.

   a.  Use a tape diagram to order the quantity of each drink from least to greatest.

   b.  How much punch did John's mother make?

4.  A family drank 1 liter 210 milliliters of milk at breakfast. If there were 3 liters of milk before breakfast, how much milk is left?

Name _____ Date _____

1. Complete the following table.

| Smaller Unit | Larger Unit | How Many Times as Large |
|---|---|---|
| one | hundred | 100 |
| centimeter | | 100 |
| one | thousand | 1,000 |
| gram | | 1,000 |
| meter | kilometer | |
| milliliter | | 1,000 |
| centimeter | kilometer | |

2. Fill in the units in word form.

   a. 429 is 4 hundreds and 29 _____

   b. 429 cm is 4 _____ and 29 centimeters

   c. 2,456 is 2 _____ and 456 ones

   d. 2,456 m is 2 _____ and 456 meters

   e. 13,709 is _____ thousands and 709 ones

   f. 13,709 g is 13 kilograms and 709 _____

3. Compare using >, <, or =.

a. 893,503 mL ◯ 89 L 353 mL

_____ L _____ mL

b. 410 km 3 m ◯ 4,103 m

_____ km _____ m

c. 339 m ◯ 900 cm

____ m _____ cm

4. Place the following measurements on the number line:

2 kg 900 g          3,500 g          1 kg 500 g          2,900 g          750 g
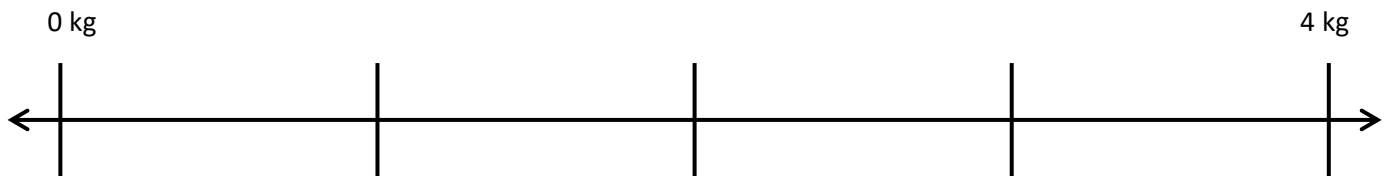
0 kg                                                                                          4 kg

Name _____     Date _____

Directions:  Solve.  Model the problems using a tape diagram

1.  The potatoes Beth bought weighed 3 kilograms 420 grams.  Her onions weighed 1,050 grams less than the potatoes.  How much did the potatoes and onions weigh altogether?

2.  Adele let out 18 m 46 cm of string to fly her kite.  She then let out 13 m 78 cm more before reeling back in 5 m 90 cm.  How long was her string after reeling it in?

3.  On Thursday, the pizzeria used 2 kilograms 180 grams less flour than they used on Friday.  On Friday, they used 12 kilograms 240 grams.  What was the total amount of flour used over the two days?

4.  Zachary's car holds 60 liters of gas.  When he had 2,050 milliliters of gas left, he added 23 liters 825 milliliters gas.  How much more gas can Zachary add to his car?