

# Math Homework

Grade 4

Module # 2

Name: \_\_\_\_\_

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Name \_\_\_\_\_

Date \_\_\_\_\_

1. Find the equivalent measures.

a. 5 km = \_\_\_\_\_ m

b. 13 km = \_\_\_\_\_ m

c. \_\_\_\_\_ m = 17,000 m

d. 60 km = \_\_\_\_\_ m

e. 7 m = \_\_\_\_\_ cm

f. 19 m = \_\_\_\_\_ cm

g. \_\_\_\_\_ m = 2,400 cm

h. 90 m = \_\_\_\_\_ cm

2. Find the equivalent measures.

a. 7 km 123 m = \_\_\_\_\_ m

b. 22 km 22 m = \_\_\_\_\_ m

c. 875 km 4 m = \_\_\_\_\_ m

d. 7 m 45 cm = \_\_\_\_\_ cm

e. 67 m 7 cm = \_\_\_\_\_ cm

f. 204 m 89 cm = \_\_\_\_\_ cm

3. Solve.

a. 2 km 303 m – 556 m =

b. 2 m – 54 cm =

c. Express your answer in the smaller of the two units:

338 km 853 m + 62 km 71 m =

d. Express your answer in the smaller of the two units:

800 m 35 cm – 154 m 49 cm =

e. 701 km – 523 km 445 m =

f. 231 km 811 m + 485 km 829 m =

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

4. The length of Celia's garden is 15 m 24 cm. The length of her friend's garden is 2 m 98 cm more than Celia's. What is the length of her friend's garden?
  
  
  
  
  
  
  
  
  
  
5. Sylvia ran 3 km 290 m in the morning. Then she ran some more in the evening. If she ran a total of 10 km, how far did she run in the evening?
  
  
  
  
  
  
  
  
  
  
6. Jenny's sprinting distance was 356 meters shorter than Tyler's. Tyler sprinted a distance of 1 km 3 m. How many meters did Jenny sprint?
  
  
  
  
  
  
  
  
  
  
7. The electrician had 7 m 23 cm of electrical wire. He used 551 cm for one wiring project. How many centimeters of wire did he have left?

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Complete the table.

Mass	
kg	g
1	1,000
6	
	8,000
15	
	24,000
550	

2. Find the equivalent measures.

a. 2 kg 700 g = \_\_\_\_\_ g

b. 5 kg 945 g = \_\_\_\_\_ g

c. 29 kg 58 g = \_\_\_\_\_ g

d. 31 kg 3 g = \_\_\_\_\_ g

e. 66,597 g = \_\_\_\_\_ kg \_\_\_\_\_ g

f. 270 kg 41 g = \_\_\_\_\_ g

3. Solve.

a. 370 g + 80 g =

b. 5 kg – 730 g =

c. Express the answer in the smaller unit:  
27 kg 547g + 694 g =

d. Express the answer in the smaller unit:  
16 kg + 2,800 g =

e. Express the answer in mixed units:  
4 kg 229 g – 355 g =

f. Express the answer in mixed units:  
70 kg 101 g – 17 kg 862 g =

Directions: Use a tape diagram to model each problem. Solve using a simplifying strategy or an algorithm and write your answer as a statement.

4. One suitcase weighs 23 kg 696 g. Another suitcase weighs 25 kg 528 g. What is the total weight of the two suitcases?

5. A bag of potatoes and a bag of onions weigh 11 kg 15 g. If the bag of potatoes weighs 7 kg 300 g, how much does the bag of onions weigh?

6. The table below shows the weight of three dogs.

Student	Weight
Lassie	21 kg 249 g
Riley	23 kg 128 g
Fido	21,268 g

What is the weight difference between the heaviest and lightest dog?

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Complete the table.

Liquid Capacity	
L	mL
1	1,000
8	
27	
	39,000
68	
	102,000

2. Find the missing numbers.

a. 5 L 850 mL = \_\_\_\_\_ mL

b. 29 L 303 mL = \_\_\_\_\_ mL

c. 37 L 37 mL = \_\_\_\_\_ mL

d. 17 L 2 mL = \_\_\_\_\_ mL

e. 13,674 mL = \_\_\_\_\_ L \_\_\_\_\_ mL

f. 275,005 mL = \_\_\_\_\_ L \_\_\_\_\_ mL

3. Solve.

a. 545 mL + 48 mL =

b. 8 L – 5,740 mL =

c. Express the answer in the smaller unit:

27 L 576 mL + 784 mL =

d. Express the answer in the smaller unit:

27 L + 3,100 mL =

e. Express the answer in mixed units:

9 L 213 mL – 638 mL =

f. Express the answer in mixed units:

41 L 724 mL – 28 L 945 mL =

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

- Sammy's bucket was filled with 2,530 milliliters of water, Marie's bucket was filled with 2 liters 30 milliliters of water, and Katie's bucket was filled with 2 liters 350 milliliters of water. Whose bucket had the least amount of water?
- At football practice, the water jug was filled with 18 liters 530 milliliters of water. At the end of practice, there were 795 milliliters left. How much water did the team drink?
- 27, 545 milliliters of the car's gas were used. Then 19 liters 878 milliliters more were used. If the gas tank can hold 56 liters 202 milliliters of gas, how much gas remains?



Name \_\_\_\_\_

Date \_\_\_\_\_

1. Complete the following table.

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

2. Fill in the missing unit in word form.

a. 135 is 1 \_\_\_\_\_ 35 ones.

b. 135 cm is 1 \_\_\_\_\_ 35 cm.

c. 1,215 is 1 \_\_\_\_\_ 215 ones.

d. 1,215 m is 1 \_\_\_\_\_ 215 m.

e. 12,350 is \_\_\_\_\_ thousands 350 ones.

f. 12,350 g is 12 kg 350 \_\_\_\_\_.

3. Write the missing number.

a. \_\_\_\_\_ is 125 thousands 312 ones.

b. \_\_\_\_\_ mL is 125 L 312 mL.

4. Fill in each with  $>$ ,  $<$ , or  $=$ .

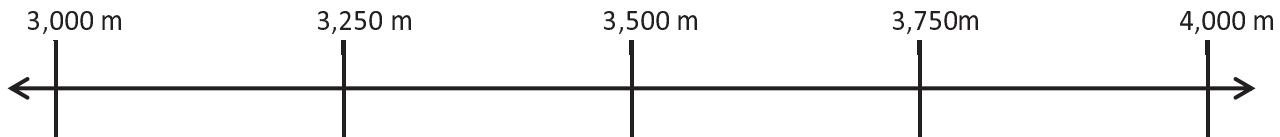
a. 890,353 mL  89 L 353 mL

b. 2 km 13 m  2,103 m

5. Brandon’s backpack weighs 3,140 grams. Brandon weighs 22 kilograms 610 grams more than his backpack. If Brandon were to stand on a scale wearing his backpack, what would the weight read?

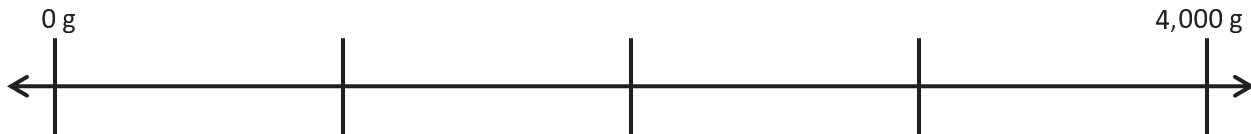
6. Place the following measurements on the number line:

3 km 275 m                      3,500 m                      3 km 5 m                      394,000 cm



7. Place the following measurements on the number line:

1 kg 379 g                      3,079 g                      2 kg 79 g                      3,579 g                      579 g



8. Solve.

a.  $356\text{ m } 14\text{ cm} - 179\text{ m } 26\text{ cm} = \underline{\hspace{4cm}}$

b. Use the numbers from Problem 8(a) to write a word problem.



4. A Springer Spaniel weighs 20 kilograms 490 grams. A Cocker Spaniel weighs 7,590 grams less than a Springer Spaniel. A Newfoundland weighs 52 kilograms 656 grams more than a Cocker Spaniel. What is the weight difference, in grams, between the Newfoundland and the Springer Spaniel?
5. Marsha has three rugs. The first rug is 2 m 87 cm long. The second rug has a length 98 cm less than the first. The third rug is 111 cm longer than the second rug. What is the difference in centimeters between the length of the first rug and third rug?
6. One barrel held 60 liters 868 milliliters of sap. A second barrel held 20,089 milliliters more sap than the first. A third barrel held 40 liters 82 milliliters less sap than the second. If the sap from the three barrels was poured into a larger container, how much sap was there in all?