Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ #\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Module 2 & 7 Class Review**

1. Complete the conversion charts. (MD.1)

|  |  |
| --- | --- |
| **Mass** | |
| 6 kg | g |
| 2 kg 83 g | g |

|  |  |
| --- | --- |
| **Length** | |
| 4 km | m |
| 7 km 765 m | m |

|  |  |
| --- | --- |
| **Capacity** | |
| 2 L | mL |
| 1 L 40 mL | mL |

2. Find the sum or differences. (MD.2)

1. 542 km 21 m + 17 km 57 m b. 13 kg 76 g – 8 kg 63 g

3. Bobby is training for a half marathon.  For the problems below, use tape diagrams, numbers, and/or words to explain each answer. (MD.2)

1. Each day, Bobby runs on the treadmill for 7 kilometers and runs on the outdoor track for 9,000 meters.  In all, how many meters does Bobby run each day?
2. Since Bobby has started training, he has also been drinking more water.  On Saturday, he drank 3 liters 635 milliliters of water. On Sunday, he drank some more.  If Bobby drank a total of 4 liters 855 milliliters of water on Saturday and Sunday, how many milliliters of water did Bobby drink on Sunday?

4. Solve for the following conversions. (MD.1)

a. 1 gal = \_\_\_\_\_\_ qt b. 3 qt 1pt = \_\_\_\_\_\_ pt

c. Express the length of a 3 foot 5 inch fish in inches.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Find the following sums and differences.  Show your work. (MD.2)

1. 9 gal 5 qt + 6 gal 7 qt = \_\_\_\_\_\_\_ gal \_\_\_\_\_\_\_ qt
2. 7 ft 3 in - 8 inches = \_\_\_\_\_\_\_ ft \_\_\_\_\_\_\_ in
3. 4 min 47 sec + 6 min 55 sec = \_\_\_\_\_\_\_ min \_\_\_\_\_\_\_ sec
4. 34 lb 8 oz - 4 lb 10 oz = \_\_\_\_\_\_\_ lb \_\_\_\_\_\_\_ oz

6. Bob says that he can find the number of inches in 20 yards by tripling the number of inches in 4 yards.  Does his strategy work? Why or why not? (MD.1)

7. A blue rope in Eddie’s camping backpack is 8 yards long.  The blue rope is 4 times as long as a red rope. A yellow rope is 7 feet 9 inches shorter than the red rope.  What is the difference in length between the blue rope and the yellow rope? (MD.2)