NAME_____

1. Ardenia goes fishing with her family. She catches 3 fish that weigh a total of 7.5 pounds. Each of her family members also catches fish as shown in the table. 7.RP.2, 7.RP.2a, 7.RP.3

Name	Number of Fish	Total Weight (lb)
Marcus	1	2.5
Manuel	3	7
Sergio	5	10
Teresa	4	10
Sammy	5	12.5

Part A: Circle the family members whose ratio of fish caught to total weight is equivalent to Ardenia's.

Marcus   Manuel   Sergio

Teresa   Sammy

Part B: Another family member catches 6 fish the next day. How much must the fish weigh for the ratio of total weight to number of fish to be equivalent to Ardenia's?

2. A taxi driver charges $3.50 per mile traveled. The driver gives a 10-mile ride, a 5.5-mile ride, and a 19-mile ride. The driver then spends $50 to fill up the gas tank before giving a final ride of 26 miles. Write a numeric expression to represent the dollar amounts the driver had after each action, in order. Then find how much money the driver had after the last ride.

7.NS.1, 7.NS.1d. 7.NS.2, 7.NS.2a

Expression:

Money After Last Ride:

3. Femi keeps track of the number of gallons of gasoline he uses
for each of several trips. 7.RP.2, 7.RP.2b

   Part A: Complete the table. The vehicle
   consumes gasoline at a constant rate.

   Part B: How much gasoline could Femi reasonably
   expect to use on a trip of 110 miles?

Distance (mi)	Gasoline (gal)
30	
40	2
55	
60	3
	3.5

4. Rashanda claims that she plays roughly 30 hours of golf per week. She
played 3 hours on Monday, 9 hours total on Tuesday through Thursday,
and 15 hours total over the next five days. Rashanda plays at a steady rate.
Explain why her claim is or is not accurate. 7.RP.3

5. One full batch of a recipe calls for $2\frac{1}{2}$ cups of milk.
Meadow has 4 cups of milk. Select all of the quantities that
Meadow could make with the milk she has. 7.NS.3

☐ $\frac{1}{2}$ batch

☐ $1\frac{3}{4}$ batches

☐ $\frac{3}{4}$ batch

☐ $1\frac{1}{4}$ batches

☐ 2 batches

☐ $2\frac{1}{4}$ batches

☐ $\frac{1}{4}$ batch