

**Kerry Ojakian's MTH 28.5 Class**  
**Class Assignment #9**

1. Mary drank  $\frac{2}{5}$  liters of milk and left  $2\frac{3}{5}$  liters in the carton. How many liters of milk were in the carton before Mary drank?
2. Mary divided 10kg of clay equally between 5 people. How much clay did Mary give each person?
3. Mary divided 3kg of clay equally between 5 people. How much clay did Mary give each person?
4. Vic is driving 30 MPH (miles per hour). If he drives for 3 hours, how far does he drive?
5. Vic is driving 30 MPH (miles per hour). If he drives 150 miles, how long did he drive for?
6. What is the average of 1, 10 and 4?
7. Mary ate 4 apples on both weekend days, and 11 apples each of the 5 weekdays. What is the average number of apples Mary ate each day? (tricky! ...)

**Write each sentence as an equation, and then solve.**

8.  $x$  added to 5 is 8.
9. Adding  $u$  and 6 is -1.
10. Two times this number is 1.
11.  $y$  equals 4 times  $-2$
12.  $x$  divided by 10 is 5.
13.  $\frac{1}{3}$  of  $x$  is 6
14. A rectangle has an area of 40 and a length of 5. What is its width?
15. A triangle has an area of 40 and a base of 5. What is its height?
16. A square has a perimeter of 40. What is its width?
17. A rectangle has a perimeter of 40 and a length of 5. What is its width?

**Write each word problem as an equation, and then solve.**

18. Mary buys a box of apples and oranges that weigh 39 ounces. Each apple weighs 5 ounces and each orange weighs 4 ounces. If there are 3 apples in the box, how many oranges are there?
19. According to International Table Tennis Federation a ping-pong ball should weigh about 3 grams. If Vic has 7 ping-pong balls, how much total weight is he carrying?
20. Suppose Mary has 42 grams in ping-pong balls. How many ping-pong balls does she have?
21. A basketball weighs about 600 grams. How much heavier is a basketball than a ping-pong ball?
22. Suppose Vic can carry 2400 grams in his bag. How many basketballs can he carry?
23. Suppose Mary has 18 kilograms in weight, in a mystery ball. If she has 9 mystery balls, then how much does each mystery ball weigh?
24. Vic bought 2 stamps that cost 10 cents and 3 stamps that cost 25 cents. If Vic paid \$1, how much change did he get?
25. Vic bought 7 stamps that cost 10 cents or 25 cents. Altogether he paid \$1.30. How many 10 cent stamps did he buy. How many 25 cent stamps did he buy?
26. Mary bought 10 stamps that cost \$1 or \$1.20. Altogether he paid \$11. How many \$1 stamps did he buy. How many \$1.20 cent stamps did he buy?
27. In the 2012-2013 NBA season Dwayne Wade and LeBron James combined to make 711 free throws. If James made 95 more free throws than Wade, determine how many free throws each player made.
28. As of 2014, the number of Grammy nominations JayZ had was  $\frac{3}{2}$  of what Eminem had. If they combine for a total of 100 nominations, determine how many nominations each artist had.
29. In the 2012-2013 NBA season Jason Kidd had 4 fewer steals than LeBron James. If the *average* of their total steals is 127, find the total number of steals each player had in the season.