WEIGHTS AND MEASURES.

Exercise 238.

1. The average weight of 5 (7, 9) steel plates is 1 ton, 16 cwt., 75 lbs. Find their aggregate weight.

2. Find the average size of 8 (6, 11) fields. each of which contains 4 ac., 120 sq. rds., 16 sq. yds., 3 sq. ft.

3. I sold 4 cows for \$175.25, and 6 others for \$224.75. Find the average price I received for them.

4. I sold 2 horses for \pounds_{37} 16s. 8d. ; 3 horses for \pounds_{49} 12s. 9d., and 5 horses for \pounds_{62} 10s. 7d. Find average price.

5. My wood-shed is $20' \times 8' \times 8'$ and contains 5 cords of word. How much more would it hold?

6. How many lots 2 rds. x 10 rds. can be made if 4 fields, each 12 acres, if $\frac{1}{4}$ ($\frac{1}{6}$, $\frac{1}{8}$) is used for streets?

7. Three loads of wheat average 36 bu., 15 lbs. Find their value @ \$.80 (\$1.20, \$.96) a bushel.

3. Find gain or loss on buying 240 bu. oats @ 24 bu. for \$10 and selling @ 8 bu. for \$5.

Exercise 239.

1. How much water must be added to 6 (8) gals. of wine @ \$3 to make a mixture worth \$2 (\$1.50) a gal.

2. A man bought 10 gals. wine @ \$3, and after putting in enough water to make it worth \$2 (\$1.50, \$1) he sold it @ \$2 (\$3, \$4) a gallon. Find his total gain.

3. A man earns twice as much as a woman, and a woman twice as much as a boy; and 1 man, 2 women and 3 boys earn \$8.80 a day. Find weekly wages of each.

4. A man bought a number of lambs @ \$2.25, and the same number @ \$2.75. How many did he buy for \$750?

5. I paid \$7,600 for two farms, one @ \$28 an acre, and another twice as large @ \$36 an acre. Find size of each.

6. It cost \$36 to make a fence. If it had been 4 rods shorter it would have cost \$32 (\$28, \$24). Find the length.

7. A fence around a field cost \$426. Had the field been 6 rods longer, the fence had cost \$438. Find the length of the field.