1. What is 24% of \$560?

Solution-

100% of it equals \$560.00.

1% of it equals 5.60. $.24 \times \$5.60 = \$134.40.$ 24% of it equals 24 times 1%

\$5.60 × 24 equals \$134.40.

hat is 35% of 177 pounds? What is 42% of 864? 962?

4. A jobber having 2160 bags of coffee, sold at one time 81%, at another 25% of what remained, and at a third, sold 331% of what still remained. Find the value of what was still left at \$18 per bag.

5. A farmer having 156 sheep to shear, agreed to pay for their shearing 4% of the sum received for their sale. If the fleeces average 71 lb. each, and are sold at 30c. per

pound, how much was paid for the shearing?

6. A dealer having bought 240 doz. eggs at 25c. per dozen, sold 81% of them at cost

and the remainder at 27c. per dozen. What was his profit?

7. A farmer having raised 1240 bu. wheat, used 5% of it for seed and 5% of it for bread. He then sold to one man 333% of the remainder at \$1 per bushel, and to another 25% of what still remained at \$1.10 per bushel. How much was received from both salcs, and how many bushels were left unsold?

8. A man owning an estate of \$200,000 bequeathed 10% of it to a college, 10% of the remainder to a church, and divided what still remained equally among his four

children. What did each child receive?

Example—Goods are invoiced at \$640, with discounts of 25, 10, and 5% off. Find cost of goods?

Solution-

The order in which the discounts of any series are considered is not material, a series of 25%, 15%, and 10% being the same as one of 15%, 10%, and 25%, or 10%, 25%, and 15%.

Example—What single discount is equivalent to 25%, 20% and 5% off?

Solution	OR				
1.00 .25 = 25% of 1.00	1.00		1.00		1.00 .05
.75 = Net after first discount. .15 = 20% of .75	.75 1.00	× -	.80 .57	× =	.95 = .57 .43

.60 = Net after 2d discount.

.03 = 5% of .60.

.57 = Net after 3d discount.

1.00 - .57 = .43, or 43%, the single discount.

Find the net amount of the following bills:

\$3500 less 20% and 147%. 9. \$1550 less 33\frac{1}{3}\% and 20\%. 11.

10. \$840 less 25% and 10%.
12. \$395 less 20% and 20%.
13. A wholesale dealer offers cloth at \$2.40 per yard subject to a discount of 25%, 20% and 5%. How many yards can be bought for \$492.48?

14. Find the net price of two tons of fence wire listed at 3c. per pound and sold 20% and 25% off.