

1. An archery target has 4 rings in it with possible scores of 3, 5, 8, 10. Diane shoots three arrows and they all land inside rings. Diane's total score was 28. What were her 3 scores?

10, 10, 8.  $10 + 10 + 8 = 28$ .

2. Two cans of ABC dog food are selling for 99¢. One can by itself costs 50¢. Jan has a coupon that says, "If you buy 7 cans of ABC then you get one can free." She also knows that DEF dog food is selling at 2 cans for 89¢. Jan wishes to buy 8 cans of dog food. She will save \_\_\_\_\_¢ buying 8 cans of ABC dog food with the coupon instead of 8 cans of DEF dog food.

9¢. Seven cans of ABC cost  $3 \times \$0.99 + \$0.50 = \$3.47$ . Eight cans of ABC with the coupon cost \$3.47. Eight cans of DEF cost  $4 \times \$0.89 = \$3.56$ .  $\$3.56 - \$3.47 = \$0.09$ .

3. Christina has 12 coins. One-half the coins are dimes,  $\frac{1}{4}$  of the coins are quarters, and the rest are nickels. How much money does Christina have?

\$1.50. 6 dimes are 60¢, 3 quarters are 75¢, and 3 nickels are 15¢.  $60 + 75 + 15 = 150$ , or \$1.50.