Mixed practice word problems
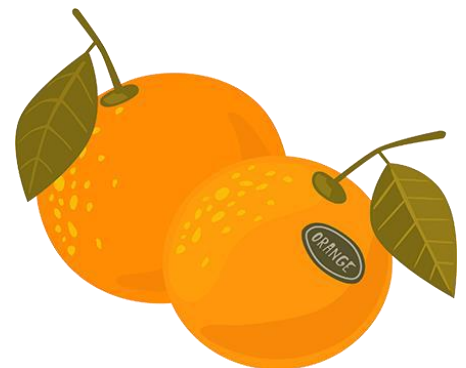
1. Mrs. Hilt had $4,000 in her savings account. She earned 10% interest each year. If she left that money in the account for one year, how much will she have in the account at the end of that year?

2. Mrs. Hilt baked 7 dozen cookies and sold them for $4.25 per half-dozen. How much money would Mrs. Hilt make if she sold all of the cookies?

3. Mrs. Hilt bought 15 boxes of citrus fruits from a fundraiser. She paid $12 for each box. If 6% sales tax was added to the total cost, how much was her total bill?

4.   Mrs. Hilt noticed two rides were 32 feet apart. How many yards is that?

5.   Mrs. Hilt will buy a new pair of shoes in 11 days. How many minutes must she wait before she can buy her new pair of shoes?

Answers

1. Interest = principal (starting amount) x rate (as a decimal) x time
    Interest = 4000 x .10 x 1 = 400
    4000 + 400 = 4400
    She will have $4,400.

2. $7 \div \frac{1}{2} = 7 \times \frac{2}{1} = \frac{14}{1}$, or 14 half dozens
    14 x 4.25 = 59.5
    She made $59.50.

3. The fruits cost 15 x 12 = $180.
    Sales tax is 180 x .06 = $10.80.
    She paid a total of 180 + 10.80 = 190.80.
    Her total bill was $190.80.

4. There are 3 feet in a yard.
    $32 \div 3 = 10$ remainder 2, or $10\frac{2}{3}$ yards
    The rides are $10\frac{2}{3}$ yards apart.

5. 11 days x 24 hours per day = 264 total hours
    264 hours x 60 minutes per hour = 15,840 total minutes
    She must wait 15,840 minutes.