Monday:

In a bag full of small balls, $\frac{1}{4}$ of these balls are green, $\frac{1}{8}$ are blue, $\frac{1}{12}$ are yellow, and the remaining 26 are white. How many balls are blue?

1. Find the fraction of green, blue, and yellow balls:

$$\frac{1}{4} + \frac{1}{8} + \frac{1}{12}$$

$$\frac{6}{24} + \frac{3}{24} + \frac{2}{24} = \frac{11}{24}$$
Get a common denominator, then add the numerators

2. Find the fraction representation of the 26 white balls:

 $\frac{24}{24} - \frac{11}{24} = \frac{13}{24}$ This is the fraction representation of the 26 white balls

3. Find the total number of balls:

Let x = the total number of balls.

$$\frac{13}{24} of x = 26 balls$$

$$\frac{13}{24} (x) = 26 \qquad \text{Write equation}$$

$$\left(\frac{24}{13}\right) \frac{13}{24} (x) = 26 \left(\frac{24}{13}\right) \qquad \text{Multiply both sides by } \frac{24}{13}$$

$$x = 48 \qquad \text{This is the total number of balls}$$

4. Find the number of blue balls: The fraction of blue balls is $\frac{1}{8}$ of x (or 48) There are 6 blue balls

$$\frac{1}{8}(48) = 6$$

<u>Tuesday:</u>

Find the value of each dessert.





Solution: Ice Cream = 3, Cake = 2, Cannoli = 8

<u>Wednesday:</u>

Each hexagon is made by adding up the numbers in the two hexagons below it. Fill in the missing numbers in these puzzles.



<u>Thursday:</u>

Stuart bought a sweater on sale for 30% off the original price and another 25% off the discounted price. If the original price of the sweater was \$30, what was the final price of the sweater?



<u>Friday:</u>

Multiplication Table

Find the value of each icon in the multiplication table below:





Solution: Softball = 1, Soccer ball = 3, Guitar = 6, Football = 2, Hockey skate = 18