

Fractions As Part of A Group of Things

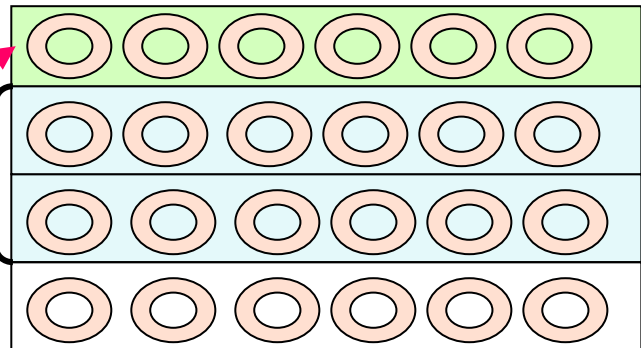
Example:

There are 24 donuts in the box and one-quarter of them are vanilla flavored and two-quarter are chocolate flavored. Rest of donuts are candy taste. Find out the number of each type of donuts in the box.

$$\text{Number of vanilla donuts} = \frac{1}{4} \text{ of } 24 = \frac{1}{4} \times \frac{6}{1} \times 24 = 6$$

Divide 24 donuts into 4 equal groups. Number of donuts in one group is 6 which is equal to one – quarter of the 24 donuts, and are of vanilla taste.

Number of donuts in two groups are 12 which is equal to two-quarters of 24 donuts, and are of chocolate flavor.

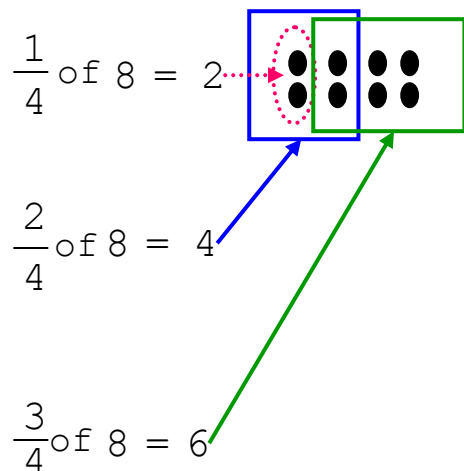


$$\text{Number of chocolate donuts} = \frac{2}{4} \text{ of } 24 = 12$$

Notice that one-half of 24=12 and two-quarters of 24 =12 too. Therefore one-half and two-quarters are equivalent fractions.

$$\text{Number of candy flavor donuts} = 24 - 6 - 12 = 6$$

Example: Solve the following .



Now you try the following: You can use the stars to sort it out.

- 1) $\frac{1}{6}$ of 12 = _____
- 2) $\frac{2}{6}$ of 12 = _____
- 3) $\frac{3}{6}$ of 12 = _____
- 4) $\frac{4}{6}$ of 12 = _____
- 5) $\frac{5}{6}$ of 12 = _____

