

**Division as Sharing - Guided Lesson Explanation****Explanation#1**

We have 24 ice creams in total. Each boy will have 5 more than the last one. This means that if the first boy has  $x$  ice creams, boy two will have  $x + 5$ , and boy three will have  $x + 10$ .

Let's write this as an equation:

$$24 = x + (x + 5) + (x + 10) \quad \text{Time to solve it.}$$

$$24 = 3x + 15 \quad \text{Subtract 15 from both sides}$$

$$9 = 3x \quad \text{Divide both sides by 3.}$$

$$3 = x \quad \text{We know the value of } x.$$

We will give three ice creams to first boy then we will give eight ice creams to second because according to the question the second one should get five more than the first. Now we will give thirteen ice creams to the third one.

Now, we will divide ice creams as 3, 8, 13.

So, the answer is 3, 8, 13.

**Explanation#2**

We have 12 mosquitoes. Each green guy will have 3 more than the last one. This means that if the animal has  $x$  mosquitoes, animal two will have  $x + 3$ , and animal three will have  $x + 6$ .

Let's write this as an equation:

$$12 = x + (x + 3) + (x + 6) \quad \text{Time to solve it.}$$

$$12 = 3x + 9 \quad \text{Subtract 9 from both sides}$$

$$3 = 3x \quad \text{Divide both sides by 3.}$$

$$1 = x \quad \text{We know the value of } x.$$

We will give one mosquito to first animal then we will give four mosquitoes to second because according to the question the second one should get



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three more than the first. Now we will give seven mosquitoes to the third one.

Now, we will divide mosquitoes as 1, 4, 7.

So, the answer is 1, 4, 7.

### **Explanation#3**

We have 9 tennis balls. Each racket or bat will have 2 more than the last one. This means that if the paddle has  $x$  balls, bat two will have  $x + 2$ , and racket three will have  $x + 6$ .

Let's write this as an equation:

$$9 = x + (x + 2) + (x + 4)$$

Time to solve it.

$$9 = 3x + 6$$

Subtract 6 from both sides

$$3 = 3x$$

Divide both sides by 3.

$$1 = x$$

We know the value of  $x$ .

We will keep one ball to first bat then we will keep three balls with the second because according to the question the second one should get two more than the first. Now we will keep five balls for the third one.

Now, we will divide the balls as 1, 3, 5.

So, the answer is 1, 3, 5.

