

Game On!



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by Christina Hill

Credits

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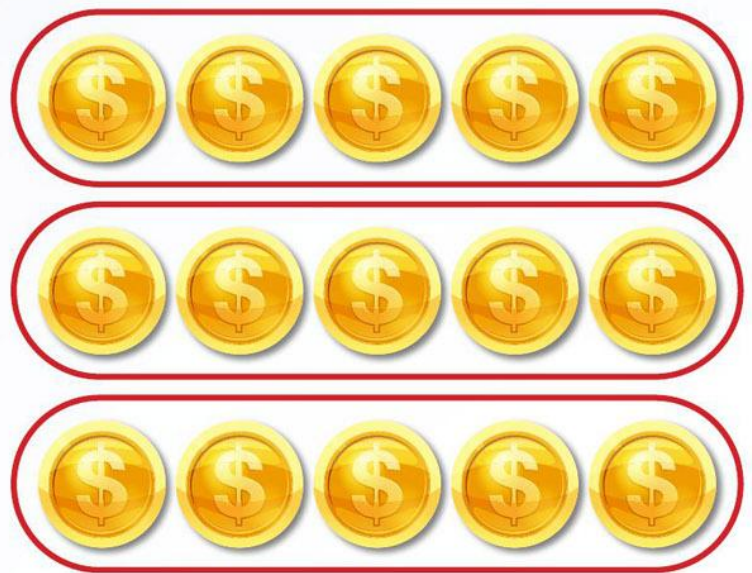
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What You Need to Know

We use math every day. We even use math in video games!

We know how to add groups of objects. Pretend you collect five coins in three levels of a game.

We can **multiply** to solve the same problem. There are three groups of coins. Each group has five coins.



$$5 + 5 + 5 = 15$$

$$5 \times 3 = 15$$



$$21 \div 3 = 7$$

We can **divide** items into equal groups.

21 coins divides into 3 equal groups of 7 coins.

We can measure time. You start playing a video game at 7:30 a.m. You can only play until 8:10 a.m. You can use the clock to see that you have 40 minutes to play the game.



7:30

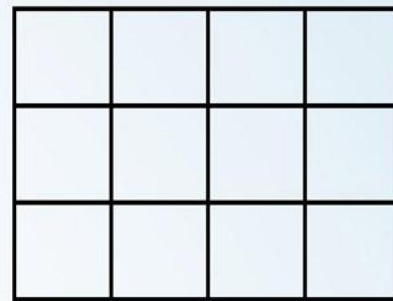


8:10

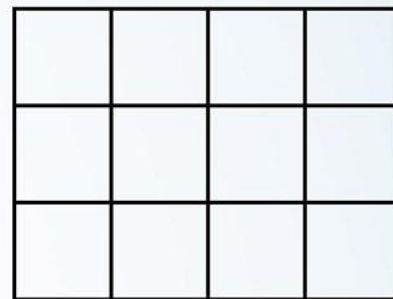
We can also measure shapes.

The **area** is the number of square units within a shape. You can multiply the length by the width to find the area.

The **perimeter** is the distance around a shape. You can add the length of each side to find the perimeter.



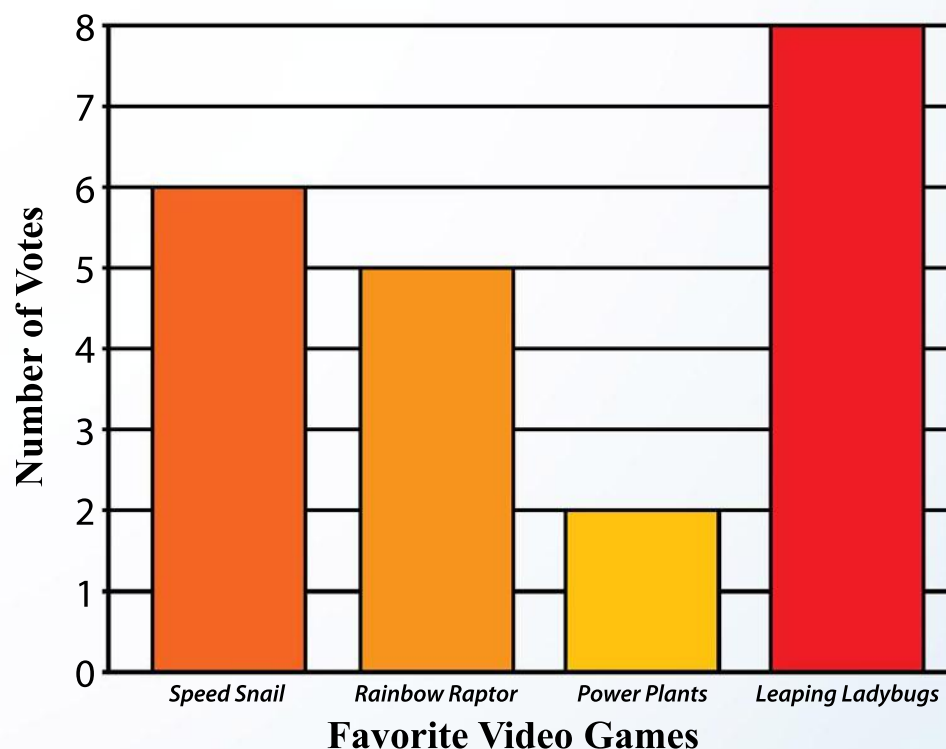
Area: $3 \times 4 = 12$ square units



Perimeter: $4 + 3 + 4 + 3 = 14$ units

Lastly, we can collect **data**. Then, we can display it on a bar graph.

Favorite Video Games	Number of Votes
<i>Speed Snail</i>	
<i>Rainbow Raptor</i>	
<i>Power Plants</i>	
<i>Leaping Ladybugs</i>	



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