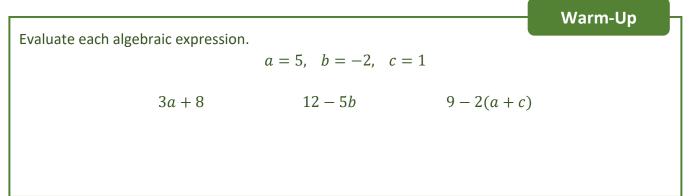
# 2.1 Terms of a Sequence



Main Topic Terms of a Sequence



Johnny's math teacher announced that the school is planning a field trip to Orlando, Florida. He will have to raise at least \$200 to cover several expenses if he wants to participate. Johnny has several options to raise funds.

### Option 1 – Mowing Yards

Mow his neighbors' yards and charge \$8 per yard.				
Table		Formula		
a. How much will he make for mowing 5 yards?	b. How much will he make for mowing 12 yards? (Hint: Use the formula)			
c. How many yards does he need to mow to raise at least \$200?	d. If he is allowed by his parents to mow 3 yards per day, how many days will it take him to raise at least \$200?			



### Option 2 – Working at a Restaurant

Work at a restaurant making \$5 per hour.				
Table		Formula		
a. How much will he make for working 7 hours?	b. How much will he make for working 10 hours? (Hint: Use the formula)			
c. How many hours does he need to work to raise at least \$200?	d. If he is allowed by his parents to work 4 hours during the weekend, how many weekends will it take him to raise at least \$200?			

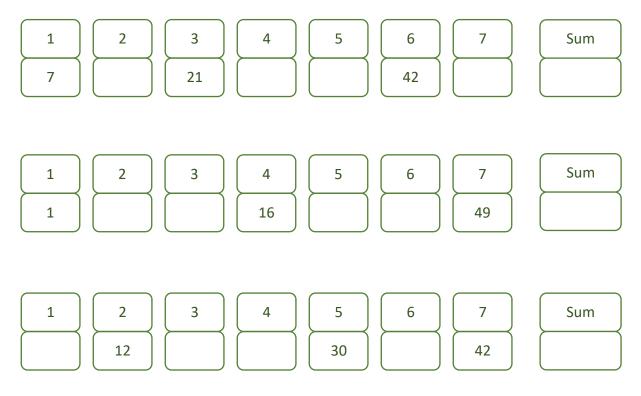
## Option 3 – Working at a Car Wash

Work at a car wash making \$6 per car with a guaranteed total tip of \$45.			
Table		Formula	
a. How much will he make for washing 5 cars?	b. How much will he make for washing 15? (Hint: Use the formula)		
c. How many cars does he need to wash to raise at least \$200?	d. If the car wash place is open on weekdays and he can only wash 2 cars per day, how many weeks will it take him to raise at least \$200?		

Quio	ck Math		
		Find the next three terms.	
a.	4, 8, 12	b. 15, 30, 45	c. 21, 42, 84

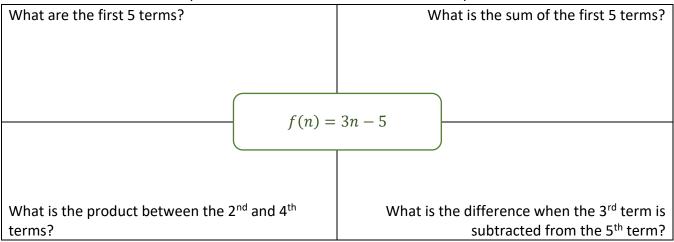
I made \$7, \$14, and \$28 for 3 days, can you help figure out the total amount I would be making for 5 days?

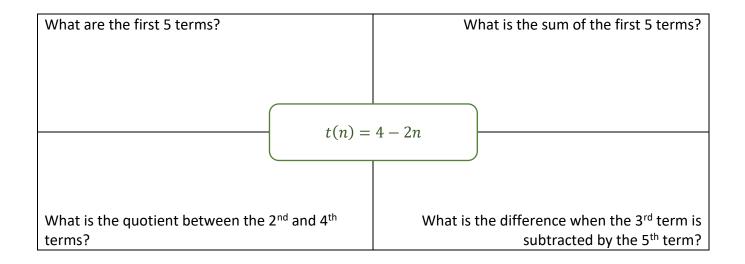
Find the missing terms of the sequence then find the sum.

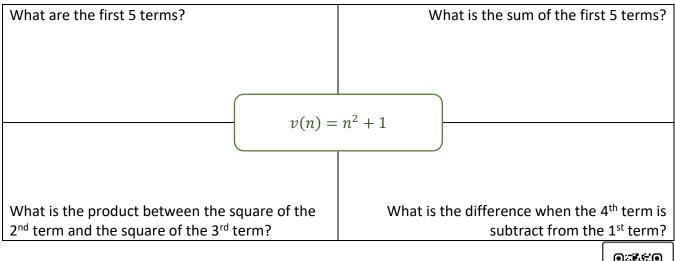


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#### The function in the middle represents the value of the nth term in a sequence.



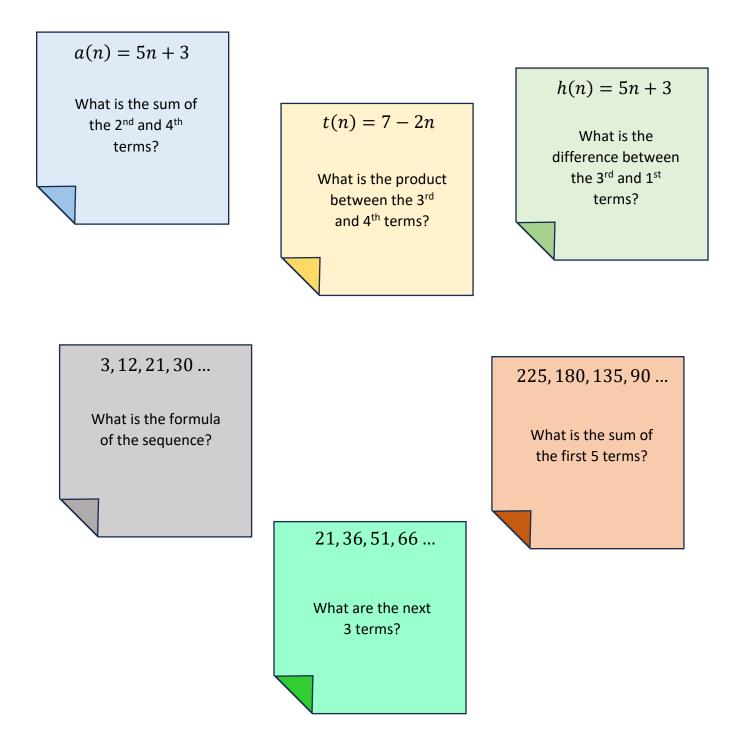






#### **Stickies Gallery**

Copy the equation, show complete work, and box the final answer on each sticky note. Post the sticky notes next to the questions across the classroom.



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End-of-Course Prep