

## Brief Constructed Response

Joey is trying to figure out how much money he will have at the end of a year. He has been keeping track of his savings every three months.

March	\$15
June	\$21
September	\$27
December	?

### Part A

If Joey's savings continue to grow at the same rate, how much money will he have saved in December?

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### Part B

Use what you know about number patterns to explain why your answer is correct. Use words and/or numbers in your explanation.

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Joey is trying to figure out how much money he will have at the end of a year. He has been keeping track of his savings every three months.

March	\$15	} +6 } +6 } +6 } +6	21 -15 6
June	\$21		
September	\$27		
December	?		

### Part A

If Joey's savings continue to grow at the same rate, how much money will he have saved in December?

$$27 + 6 = \$33 \text{ December}$$

### Part B

Use what you know about number patterns to explain why your answer is correct. Use words and/or numbers in your explanation.

I know  $\$21 - \$15 = 6$  and  
 $\$27 - \$15 = 6$  so my rule is  
to add 6 on every 3 months.  
So  $\$27$  in September  $+ 6 = \$33$   
for December. He checks  
his savings every 3 months  
So in December he will have  $\$33$ .