

The owner of the Quad City Mallards wants to build a new arena. It is a big project to complete, and he only has 2 weeks to get it finished. He's so desperate for workers that he has hired you and has even given you the choice on how you'd like to get paid.

Analyze the 2 options, and decide which payment plan you would like to receive for the job.

Option 1: \$1 on Day 1, \$3 on Day 2, and then continue to triple the pay each day
Option 2: \$2000 on Day 1, with a \$1500 increase per day each day after the 1st

1. Make your decision (circle one).
 Show your work to prove why you made your choice.

Day	Option 1		Option 2	
	Pay	Running Total	Pay	Running Total
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
X				

2. Option 1 is Linear. True or False (circle one)

Option 2 is Linear. True or False (circle one)

3. If this was only a 1 week job, would you still have chosen the same option?
Why?

What if it was a 10-day job? Why?

4. If a worker chose Option 1, when should the owner fire the worker in order to make sure he doesn't lose out on a lot of money? (When does this option become more expensive than the other option?)