

Name _____

Which Salary is the Best?

You want to buy a go-cart for \$1000 and need to find a job to raise the money. You found job openings to mow lawns with two different companies that have different pay scales. One company, Lawns Are Us, will double your salary each day. You will earn \$1 the first day, \$2 the second day, \$4 the third day, \$8 the fourth day, and so on. The second company, Smith Lawn Care will increase your salary by \$4 each day. You will make \$4 the first day, \$8 the second day, \$12 the third day, \$16 the fourth day, and so on. Which company will help you reach the \$1,000 needed to buy a go-cart the fastest?

| Lawns Are Us | | | Smith Lawn Care | | |
|--------------|------------------------|--------------------------|-----------------|------------------------|--------------------------|
| Day | Daily Salary (Dollars) | Total Earnings (Dollars) | Day | Daily Salary (Dollars) | Total Earnings (Dollars) |
| 1 | 1 | | 1 | 4 | |
| 2 | 2 | | 2 | 8 | |
| 3 | 4 | | 3 | 12 | |
| 4 | 8 | | 4 | 16 | |
| 5 | 16 | | 5 | 20 | |
| 6 | | | 6 | | |
| 7 | | | 7 | | |
| 8 | | | 8 | | |
| 9 | | | 9 | | |
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| 25 | | | 25 | | |
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