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| --- | --- | --- | --- | --- |
| 15. The total in a savings account, which earns no interest and receives a deposit of $723 per month. | 20. The total in a savings account that earns 2.1% per month, but does not receive new deposits. | 7. The value of a machine that depreciates by 17% per year. | 3. Every week, 9/10 of a radioactive substance remains from the beginning of the week. | 17. A liter of water evaporates from a swimming pool every day. |
| 2. | 1. The sequence:  1, 8, 15, 22, 29, 36,… | 8. The sequence:  3, 6, 12, 24, 48,… | 16. The sequence:  2, 6, 14, 26, 42,… | 4. The area of a rectangle with length twice its width. |
| 6. The height of a baseball from the time it is hit by a bat until it hits the ground. | 10. The total amount in a piggy bank if each month $2 more is added than was added the month before. | 11.   |  |  | | --- | --- | | X | y | | 2 | -3 | | 3 | -5 | | 4 | -7 | | 5 | -9 | | 12.   |  |  | | --- | --- | | x | y | | 2 | 4 | | 3 | 2 | | 4 | 1 | | 5 | 0.5 | | 18.   |  |  | | --- | --- | | x | y | | 2 | 47 | | 3 | 34 | | 4 | 23 | | 5 | 14 | |
| 13. | 9. | 5. | 14. | 19. |