|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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. |