Identifying Constant Rate of Change (Tables)

Determine the constant rate of change for each table.

**Show your work- Answers-**

1.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Concrete Blocks (x) | 3 | 8 | 10 | 6 | 7 |
| Weight in kilograms (y) | 30 | 80 | 100 | 60 | 70 |

2.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Cans of Paint (x) | 5 | 10 | 6 | 9 | 2 |
| Bird Houses Painted (y) | 342 | 266 | 228 | 304 | 114 |

3.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Chocolate Bars (x) | 6 | 4 | 10 | 3 | 8 |
| Calories (y) | 1,212 | 808 | 2,020 | 606 | 1,616 |

4.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pieces of Chicken (x) | 7 | 8 | 6 | 10 | 2 |
| Price in Dollars (y) | 14 | 16 | 12 | 20 | 4 |

5.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Boxes of Candy (x) | 2 | 5 | 9 | 7 | 10 |
| Pieces of Candy (y) | 32 | 80 | 144 | 112 | 160 |

6.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Lawns Mowed (x) | 7 | 6 | 10 | 3 | 4 |
| Dollars Earned (y) | 301 | 258 | 430 | 129 | 172 |

7.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Time in Minutes (x) | 9 | 2 | 7 | 3 | 10 |
| Distance Traveled in Meters (y) | 117 | 26 | 91 | 39 | 130 |

8.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pounds of Beef Jerky (x) | 7 | 8 | 5 | 6 | 10 |
| Price in Dollars (y) | 84 | 96 | 60 | 72 | 120 |

9.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Popcorn Bags Sold (x) | 3 | 5 | 8 | 9 | 11 |
| Money Made (y) | 5 | 12.50 | 20.00 | 22.50 | 27.50 |

10.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Chaperones (x) | 3 | 4 | 7 | 9 | 10 |
| Students (y) | 36 | 48 | 84 | 108 | 120 |

Determine the constant rate of change for each table.

**Show your work- Answers-**

1.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 7 | 10 | 3 | 5 | 2 |
| Y | 1,911 | 2,730 | 819 | 1,365 | 546 |

2.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 2 | 5 | 6 | 8 | 10 |
| Y | 58 | 145 | 174 | 232 | 290 |

3.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 5 | 7 | 6 | 4 | 9 |
| Y | 150 | 210 | 180 | 120 | 270 |

4.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 6 | 9 | 8 | 2 | 7 |
| Y | 6 | 9 | 8 | 2 | 7 |

5.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 5 | 2 | 6 | 7 | 4 |
| Y | 75 | 30 | 90 | 105 | 60 |

6.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 3 | 7 | 2 | 9 | 4 |
| Y | 45 | 105 | 30 | 135 | 60 |

7.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 8 | 4 | 5 | 7 | 6 |
| Y | 80 | 40 | 50 | 70 | 60 |

8.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 2 | 9 | 3 | 8 | 5 |
| Y | 42 | 189 | 63 | 168 | 105 |