**HW Practice: *Constant of Proportionality and Proportional Relationships***

**Find the constant rate of change for each ordered pair then determine if the table shows a proportional relationship.**

|  |  |
| --- | --- |
| **Time** | **Temperature****(°F)** |
|  9:00 | 60 |
| 10:00 | 62 |
| 11:00 | 64 |
| 12:00 | 66 |

|  |  |
| --- | --- |
| **Time Spent****Mowing (h)** | **Money Earned****($)** |
| 1 | 10 |
| 3 | 30 |
| 5 | 50 |
| 7 | 70 |

 **1. 2.**

|  |  |
| --- | --- |
| **Number of****Trees** | **Number of****Apples** |
| 5 | 100 |
| 10 | 200 |
| 15 | 300 |
| 20 | 400 |

|  |  |
| --- | --- |
| **Number of****Students** | **Number of****Magazines Sold** |
| 10 | 120 |
| 15 | 170 |
| 20 | 220 |
| 25 | 270 |

 **3. 4.**

 **5. 6.**





|  |  |
| --- | --- |
| **Number of****Hours Worked** | **Money****Earned ($)** |
| 4 | 80 |
| 6 | 120 |
| 8 | 160 |
| 10 | 200 |

|  |  |
| --- | --- |
| **Number of****Pounds of Ham** | **Cost ($)** |
| 0 | 0 |
| 3 | 12 |
| 6 | 24 |
| 9 | 36 |

 **7. 8.**

|  |  |
| --- | --- |
| **Months** | **Money Spent on Cable TV** |
| 2 | 82 |
| 4 | 164 |
| 6 | 246 |
| 8 | 328 |

 **9. 10.**

|  |  |
| --- | --- |
| **Days** | **Plant Height (in.)** |
| 7 | 4 |
| 14 | 11 |
| 21 | 18 |
| 28 | 25 |



 **11. 12.**



 **13. SEAGULLS** When Joy went to the beach, she saw no seagulls. Two hours later, at 11 am, there were 16 seagulls on the beach. At 2 p.m., there were 40 seagulls. Is the relationship proportional?