Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ October 27, 2014

1. **A man’s shoe size is approximately 3 times his foot length in inches minus 22. Use a table to represent the relationship between foot length and shoe size.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Foot length (inches)** | **8** | **9** | **10** | **11** | **12** |
| **Shoe size** |  |  |  |  |  |

**2. Jodie pays $5 per ticket for a play and a one-time $2 convenience fee. Use a table to show the total cost for different numbers of tickets.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Number of tickets** | **1** | **2** | **3** | **4** | **5** |
| **Total cost $** |  |  |  |  |  |

**3. The age of a cat 2 years or older can be approximately converted into human years by multiplying by 4 and adding 16. Use a table to represent the relationship between cat age and human years**.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Cat Age** |  |  |  |  |  |
| **Human years** |  |  |  |  |  |

**4. A principal is ordering new books. The number of books she orders is 25 times the number of classes plus 8. Represent the relationship between the number of books**

**ordered and the number of classes in the table below.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classes** |  |  |  |  |  |
| **Books** |  |  |  |  |  |

**5. Joseph is saving money each week to buy a new bicycle. Each week he earns $10 in allowance. His grandmother also gave him $20 for his birthday. Represent the relationship between the number of weeks he has saved and the amount of money he has saved.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Weeks** | **1** | **3** | **5** | **7** | **9** |
| **Savings $** |  |  |  |  |  |

**6. The school band sold T-shirts for a fundraiser. They earned $6 profit on each T-shirt minus $4 for flyers.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **T-shirts** |  |  |  |  |  |
| **Profit $** |  |  |  |  |  |