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|  | **Word Problem** | **What Equation or Inequality Symbol?**Exciting Equations & Interesting inequalities! | **Write the equation or inequality statement.** |
| 1. | Sandy is upgrading her Internet service. Fast Internet charges $60 for installation and $50.45 per month. Quick Internet has a $30 installation but charges $57.95 per month. How many months will both services cost the same? |  |  |
| 2. | Members of the Wide Waters Club pay $105 per summer season, plus $9.50 each time they rent a boat. Nonmembers must pay $14.75 each time they rent a boat. How many times would a member and nonmember have to rent a boat in order to pay the same amount? |  |  |
| 3. | A small candle burns inch each hour. A large candle burns inch every hour. After how many hours will the two candles be the same height?

|  |  |
| --- | --- |
| **Candle** | **Initial height (in.)** |
| Small | 12 |
| Large | 15 |

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| 4. | The charges for two shuttle services are shown in the table.

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| --- | --- | --- |
|  | **Pickup Charge** | **Charge per mile** |
| **Easy Ride** | 10 | 0.10 |
| **Best** | 5 | 0.35 |

What is the number of miles for the cost of both shuttles to be the same? |  |  |
| 5. | The perimeters of the rectangles shown are equal. What is the perimeter of each rectangle? |  |  |
|  | **Word Problem** | **What Equation or Inequality Symbol?** | **Write the equation or inequality statement.** |
| 6. | The art club decides to sell calendars as a fundraiser. The initial cost to make the calendars is $605 for equipment with an additional materials cost of $2.50 per calendar. If the club plans to sell the calendars for at least $8 a piece, how many would they need to sell to break even? |  |  |
| 7. | You are planning a skating party. Mason Skate Park charges a one-time reservation fee of $6.00 and $6.50 per person for catered parties. Champions Skating charges $7 per person. How many people can attend before Champions becomes more expensive? |  |  |
| 8. | The perimeter of the square is at least the perimeter of the triangle. 4*x*+12*x*+4What is the value of x? |  |  |
| 9. | Jason has $500 in a savings account at the beginning of summer. He wants to have at least $200 in his account at the end of the summer. If he withdraws $25 a week for food and entertainment expenses, how many weeks can Jason withdraw money? |  |  |
| 10. | A college basketball team charges $13.89 for admission to each game plus a one-time program fee of $8.00. Katie has $75.00 in her entertainment budget. How many games can Katie attend before exceeding her budget? |  |  |
| 11. | Adrian works in New York City and makes $42 per hour. She works in an office and must get her suit dry cleaned every day for $75. If she wants to make more than $260 a day, at least how many hours must she work? |  |  |
| 12. | You want to rent a limousine for a trip to the city. The limo costs $700 for the night and $0.15 per mile. You have $750 to spend. How many miles can the limo travel? |  |  |