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| **Task A**  Solve  3x + 7 = 5  or  3x + 7 = 5 – 8x | **Task B**  Mary has 200 feet of fencing. She wants to enclose a garden. How large a garden can she make? |
| **Task D**  The Tiling Problem | **Task E**  Solve  4(2x + 5) = 8x – 19  4(3x +3) = 6 (2x + 2) |
| **Task F**  Write an equation that has -7 as a solution. | **Task G**  An equation has a graph that is a line with a positive slope and a negative y-intercept. Make a table that could belong to this graph. |
| **Task H**  Find three consecutive even integers such that four times the third one is twelve more than twice the sum of the first two. | **Task I**    The Water Tank Problem |
| **Task J**  d = rt  Find d when r = 50 mph and t = 35 min.  Find r when d = 30 m and t = 5 seconds |  |
| **Task K**  Three consecutive even integers are such that the sum of the smallest and 3 times the second is 38 more than twice the third. Find the integers | Tony is choosing between two used cars.   |  |  |  |  | | --- | --- | --- | --- | | Car | Cost | Miles Per Gallon | Immediate Repairs | | Blue Car | $3200 | 18 | $700 | | Red Car | $4700 | 24 | $300 |   Tony estimates he will drive at least 200 miles per month.  The average cost of gasoline per gallon is $3.70 in his area.  Tony plans to own the car for 4 years.  Calculate and explain which car Tony should buy. |
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