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| **Writing and Solving Equations to Solve Problems** | | | |
| Solves one-step equations  28 – *t* = 12  “I know 28 – 8 = 20.  So, *t* must be more than 8.  28 – 10 = 18 (too high)  28 – 15 = 13 (too high, but close)  So, *n* = 16 because 28 – 16 = 12.” | Solves multi-step equations  6*h* – 12 = 48  6*h* – 12 = 48 6*h* – 12 + 12 = 48 + 12  6*h* = 60  =  *h* = 10  “I used preservation of equality  and performed the same operation on both sides of the equation  each time.” | Verifies that the solution to an equation is correct  6*h* – 12 = 48, *h* = 10  I substituted 10 for *h* in the original equation and compared each side  L.S. = 6*h* – 12 R.S. = 48  = 6(10) – 12  = 60 – 12  = 48  “Since L.S. = R.S., the solution is correct.” | Writes and solves equations to solve word problems  Craig works for a dog-walking company. Craig earns $25 a day, plus $5 for every dog he walks.  On Thursday, Craig earned $70.  How many dogs did Craig walk?  70 = 25 + 5*d*, where *d* represents the number of dogs Craig walked.  70 – 25 = 25 – 25 + 5*d*  45 = 5*d*  *d* = 9 Craig walked 9 dogs. |
| **Observations/Documentation** | |  | |
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