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| **Evaluating Expressions and Equations** | | | |
| Explains the difference between an expression and an equation  An equation has an equal sign to show that the numbers and expressions on both sides are equal.  2 × 4 = *x* – 2 is an equation | Evaluates an expression when given the value of the variable  To determine the value of the expression 3*k* + 2 when *k* = 5,  I replace the *k* with 5.  3*k* + 2 = 3(5) + 2  = 15 + 2  = 17 | Uses expressions to represent  real-life situations and solve problems  Every week, Mac walks 5 km.  In *n* weeks, they will walk 5*n* kilometres. There are 52 weeks  in a year.  When *n* = 52,  5*n* = 5(52)  = 260  In 1 year, they will walk 260 km. | Uses equations to represent real-life situations and solve problems using guess and check or other informal solution methods  How many weeks will it take Mac  to walk 150 km?  I need to find a number that makes 5*n* = 150 true. I know 5 × 10 = 50 and there are three 50s in 150.  So, it will take 3 × 10, or 30 weeks. |
| **Observations/Documentation** | | | |
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