1.5 Equations.

\[ ? = ? \]

Element #1: equal sign.
Element #2: there is a variable.

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#14. A number decreased by 8 is 40. What is the number?
Let the number be \( n \).
\[ n - 8 = 40 \]

#18. Raul got a discount of $8 on his calculator and paid $40. How much is the regular price?
Solution: Let the regular price be \( R \).
\[ R - 8 = 40 \]

#22. 18 reduced by a number is 10. What is the number?
Let the number be \( n \).
\[ 18 - n = 10 \]

#30. Each member of the Friends of the Youth Symphony must raise $80 to keep the symphony out of debt. If there are 16 members, how much money do they need?
Let \( m \) be the amount of money they need.
Then \[ \frac{m}{16} = 80 \]

#38. Five brothers split the cost of a new TV, each paying $30. How much was the TV?
Let the price of the TV be \( p \).
\[ \frac{p}{5} = 30 \]