Translating Sentences to Equations
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Write each sentence as an algebraic equation. Then solve each equation.

Answers

1. Five more than a number is eight.

1. $x+5=8;$
   $x=3$

2. Two times a number is ten.

2. $2x=10;$
   $x=5$

3. Six less than a number is twenty-four.

3. $x-6=24;$
   $x=30$

4. A number divided by five is ten.

4. $\frac{x}{5}=10;$
   $x=50$

5. The sum of nine and a number is fourteen.

5. $x+9=14;$
   $x=5$

6. Nine subtracted from the quotient of a number

   and three is twenty-one.

6. $\frac{x}{3}-9=21;$
   $x=90$

7. The difference of seven and three times a number

   is ten.

7. $7-3x=10;$
   $x={}^-1$

8. One-half of a number added to seven is eleven.

8. $\frac{1}{2}x+7=11;$
   $x=8$

9. Two less than the quotient of a number and five

   is one.

9. $\frac{x}{5}-2=1;$
   $x=15$

10. The product of three and the sum of a number and

    two is zero.

10. $3(x+2)=6;$
    $x=0$

Please visit the Learning Lab for further assistance.