


|  | Note: The word statement " 5 greater than 4" <br> represents the math statement " $5+4$ ". <br> However the word statement " 5 is greater <br> than 4" represents " $5>4$ ". Notice how using <br> the word "is" makes a difference! |
| :--- | :--- |
|  | Example 3: Translate each math statement <br> into a word statement. <br> a) 7<10 |
| b) -16 >-17 |  |
| Example 4: Translate each word statement |  |
| into a math statement. |  |
| a) The sum of negative eight and |  |
| ten is less than three. |  |

Answer the following homework questions.

In Exercises 1-15, fill in the blank with either ">" or "<" to make the statement true.

1) -5 $\qquad$ $-6$
2) 0 $\qquad$ $-1$
3) -8 $\qquad$ $-7$
4) -1 $\qquad$ 0
5) 1 $\qquad$ 0
6) -21 $\qquad$ 0
7) -8 $\qquad$ $-9$
8) 56 $\qquad$ 65
9) 21 $\qquad$
10) 4 $\qquad$ 7
11) -64 $\qquad$ $-63$ 14) 0 $\qquad$ $-32$
12) $8 \_-8$
13) 19 $\qquad$ 20 15) 0 $\qquad$ 32

In Exercises 16-19, translate each math statement into a word statement.
16) $17>4$
18) $0>-1$
17) $-8<-5$
19) $5>0$

In Exercises 20-22, translate each word statement into a math statement.
20) The quotient of twenty and five is less than five.
21) The product of three and four is greater than eleven.
22) The difference of negative two and six is less than negative seven.

