

Getting Ready for Chapter 9

1. Write each word statement *using symbols*:

a) -8 is greater than -11

b) 0 is less than 12

c) 6 multiplied by -4

d) 15 is not equal to -15

e) 10 is equal to $\frac{40}{4}$

2. Write each mathematical statement *in words*:

a) $15 > 9$

b) $8 \neq 2$

c) $15 \div 3$

d) $7 < 20$

e) $-6 \leq -1$

3. **Integers:** $\{ \dots, -3, -2, -1, 0, 1, 2, 3, \dots \}$

List all of the *integers* that satisfy the following:

a) between -1 and 5

b) between -2.3 and 4.4

c) between -7 and -3

d) larger than 15 but smaller than 25

e) less than 1.25 but greater than -5

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4. Insert either the less than symbol ($<$) or the greater than symbol ($>$) between the two numbers to make the statement true:

- a) 8 14
- b) -3 -3.5
- c) 17 19
- d) 0 -0.25
- e) -50 -100

5. **Whole Numbers: $\{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, \dots\}$**

List the whole numbers that satisfy each statement:

- a) $n \leq 12$
- b) Between 2 and 8
- c) $x > 6$
- d) $a < 4$
- e) Between 0 and 5
- f) $m \geq 9$