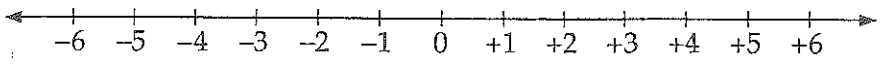
Name _____

2.11 Comparing and Ordering Integers

MATHPOWER™ *Seven*, pp. 62–63

Integers increase in value from left to right.
The integer to the right of another integer on the number line is greater.
The integer to the left of another integer on the number line is smaller.



$-4 < +2$ $+4 > -6$ $+5 > 2$ $-3 > -5$

Insert > or < to make each statement true.

1. $+4 \square +6$
2. $-2 \square -3$
3. $+2 \square -1$
4. $-11 \square -8$
5. $-2 \square +6$
6. $+9 \square +8$

Circle the largest integer.

7. +3, +6, −2
8. −2, −4, −8
9. 0, −1, +1
10. −9, +2, +1
11. −4, −6, −5
12. −3, 0, +4

Circle the smallest integer.

13. +2, −3, +1
14. −1, −2, 0
15. +1, +4, +2
16. −4, −5, +1
17. −4, −1, −5
18. 0, +3, +1

Write each set of integers in order from largest to smallest.

19. +3, +7, −1, +2, −8

_____

20. 0, −3, +10, −10, +2

_____

21. +1, +3, 0, +2, −1

_____

22. −9, −7, −8, −11, −6

_____

23. +4, +7, −2, 0, −1

_____

Write each set of integers in order from smallest to largest.

24. −1, −3, +3, +1, 0

_____

25. +1, −2, −4, −3, +2

_____

26. +8, +5, −1, +7, 0

_____

27. −7, +2, −4, 0, +3

_____

28. +4, −2, +6, −1, −3

_____

29. −11, −4, +1, −7, +3

_____

30. Each letter has a value represented by the integer below it.

N	E	G	I	T	E	R
−8	+2	0	−10	−5	−2	+4

a) Which letter has the greatest value?

_____

b) Which letter has the least value?

_____

c) Which letters have opposite values?

_____

d) Which letters have values greater than 0?

_____

e) What word is formed when the letters are arranged from smallest to largest?

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