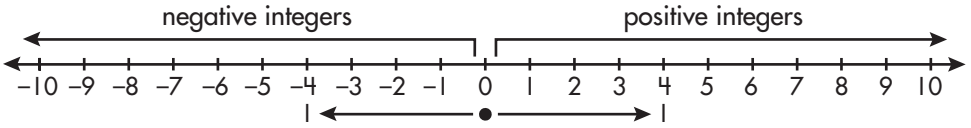
NAME _____

Lesson 4.4 Comparing and Ordering Integers

Integers are the set of whole numbers and their opposites.

Positive integers are greater than zero. **Negative integers** are less than zero. Zero is neither positive nor negative. A negative integer is less than a positive integer. On a number line, an integer and its opposite are the same distance from zero. The smaller of two integers is always the one to the left on a number line.

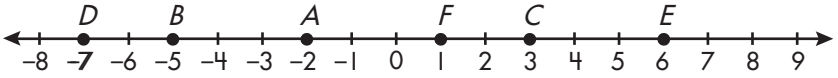


The opposite of 4 is −4. They are both 4 spaces from 0.

$-7 < -2$
−7 is to the left of −2.

$-4 > -9$
−4 is to the right of −9.

Use integers to name each point on the number line.



	a	b	c
1.	A _____	D _____	F _____
2.	E _____	C _____	B _____

Use > or < to compare each pair of numbers.

3.	2 ☐ 7	−1 ☐ −4	5 ☐ 0
4.	−4 ☐ 1	0 ☐ −8	−8 ☐ −10
5.	7 ☐ −7	−2 ☐ 0	4 ☐ 6
6.	1 ☐ −1	6 ☐ 3	−6 ☐ −3
7.	4 ☐ −2	−6 ☐ −4	3 ☐ −3

Order from least to greatest.

	a	b
8.	−3, −5, 0 _____	8, −8, 2 _____
9.	0, 5, −3, −7 _____	4, −1, 2, −2 _____
10.	−6, 5, −2, −3, 2 _____	5, −8, −2, −3, 0 _____

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Lesson 4.4 Comparing and Ordering Integers

Compare the integers using <, >, or =.

	a	b	c
1.	66 ☐ 3	43 ☐ 83	−24 ☐ 82
2.	99 ☐ −84	−33 ☐ −90	−37 ☐ −37
3.	28 ☐ 7	−24 ☐ 61	−36 ☐ −88
4.	−27 ☐ −52	−49 ☐ −69	42 ☐ 98
5.	88 ☐ −99	47 ☐ −44	−8 ☐ −45
6.	46 ☐ −26	13 ☐ −1	39 ☐ 51
7.	8 ☐ −18	61 ☐ −70	−4 ☐ −1
8.	−12 ☐ −14	−1 ☐ 0	57 ☐ −73

Order from least to greatest.

	a	b
9.	16, −37, 51, 61 _____	−86, 21, 90, −49 _____
10.	−84, −67, 10, −65 _____	−62, 11, −97, −78 _____
11.	−35, 81, −37, 48 _____	−68, −9, 95, 19 _____
12.	−37, 51, 61, 9 _____	21, 90, −49, 15 _____
13.	14, −4, 9, −11 _____	74, −23, 27, −75 _____
14.	−80, −79, 2, 81 _____	47, 93, −39, −47 _____

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Lesson 4.4 Comparing and Ordering Integers

Compare the integers using <, >, or =.

	a	b	c
1.	92 ☐ 35	−56 ☐ −57	−77 ☐ 37
2.	78 ☐ −96	−99 ☐ −94	34 ☐ −60
3.	−1 ☐ −37	6 ☐ −78	34 ☐ −43
4.	4 ☐ −4	−66 ☐ −13	−66 ☐ −45
5.	−10 ☐ 51	76 ☐ 13	−69 ☐ −79
6.	18 ☐ 80	−12 ☐ −81	−61 ☐ 57
7.	33 ☐ −64	17 ☐ 13	−21 ☐ 19
8.	18 ☐ 80	−12 ☐ −81	−61 ☐ 57

Order from least to greatest.

	a	b
9.	−67, 10, −65, 20 _____	11, −97, −78, −57 _____
10.	81, −37, 48, −39 _____	−9, 95, 19, −96 _____
11.	51, 61, 9, 47 _____	90, −49, 15, 22 _____
12.	10, −65, 20, 55 _____	−97, −78, −57, −68 _____
13.	−16, −34, 14, 0 _____	72, −12, −7, 67 _____
14.	46, 52, −2, −46 _____	−3, −92, −51, −28 _____