



## Year 5 Worksheet 6 - Negative & Absolute values

Question 1: Find the absolute values.

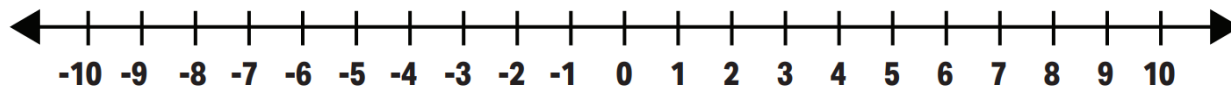
**Definition:** Absolute value always gives you a positive number, no matter if the original number was positive or negative. It tells you how far a number is from zero on a number line. For example:

- The absolute value of 5 is 5.
- The absolute value of -5 is also 5.
- The absolute value of 0 is 0.

$ -7  = \underline{\quad}$	$ 10  = \underline{\quad}$	$ 0  = \underline{\quad}$
$ 100  = \underline{\quad}$	$ -50  = \underline{\quad}$	$ -25  = \underline{\quad}$
$ 45  = \underline{\quad}$	$ -123  = \underline{\quad}$	$ -391  = \underline{\quad}$
$ -483  = \underline{\quad}$	$ -340  = \underline{\quad}$	$ 143  = \underline{\quad}$
$ 256  = \underline{\quad}$	$ -362  = \underline{\quad}$	$ 262  = \underline{\quad}$



Question 2: Use the number line below to compare the numbers.



$-7 > -10$	$-9 \underline{\quad} -1$	$-8 \underline{\quad} 8$
$-10 \underline{\quad} 5$	$8 \underline{\quad} -6$	$4 \underline{\quad} -7$
$-2 \underline{\quad} 0$	$0 \underline{\quad} 2$	$2 \underline{\quad} -2$
$3 \underline{\quad} -4$	$-6 \underline{\quad} 3$	$-10 \underline{\quad} -9$
$-9 \underline{\quad} -8$	$-7 \underline{\quad} -9$	$-4 \underline{\quad} -8$
$-10 \underline{\quad} -2$	$0 \underline{\quad} 10$	$-10 \underline{\quad} 0$



Question 3: Answer the following.

1	Order these integers from least to greatest: -5, 8, -3, 0, -1, 6, -9, 2.
2	Arrange these integers in ascending order: 12, -9, 6, -5, -3, 0, 4, -2.
3	Put these numbers in descending order: 7, -2, 0, -8, 5, -6, 3, -1.
4	Order these integers from smallest to largest: -15, -2, 10, -7, 4, -12, 8, -3.
5	Arrange the following numbers in increasing order: -20, 18, -10, 5, -3, 15, -8, 0.



6	Put these integers in descending order: 9, -4, 0, 2, -8, 6, -1, 7.
7	Order these integers from least to greatest: -6, 3, -1, 0, -2, 1, -4, 5.
8	Arrange these integers in ascending order: -14, 7, -9, 3, -2, 0, -6, 4.
9	Put these numbers in descending order: 11, -3, 0, -8, 4, -5, 9, -2.
10	Order these integers from smallest to largest: -25, -1, 15, -7, 10, -18, 12, -9.



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## Answer Key

Question 1: Find the absolute values.

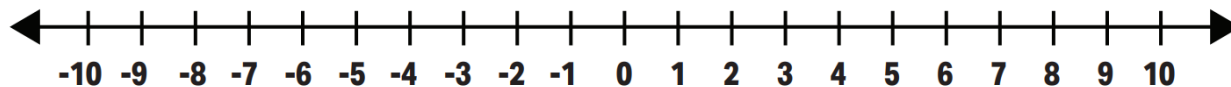
**Definition:** Absolute value always gives you a positive number, no matter if the original number was positive or negative. It tells you how far a number is from zero on a number line. For example:

- The absolute value of 5 is 5.
- The absolute value of -5 is also 5.
- The absolute value of 0 is 0.

$ -7  = 7$	$ 10  = 10$	$ 0  = 0$
$ 100  = 100$	$ -50  = 50$	$ -25  = 25$
$ 45  = 45$	$ -123  = 123$	$ -391  = 391$
$ -483  = 483$	$ -340  = 340$	$ 143  = 143$
$ 256  = 256$	$ -362  = 362$	$ 262  = 262$



Question 2: Use the number line below to compare the numbers.



$-7 > -10$	$-9 < -1$	$-8 < 8$
$-10 < 5$	$8 > -6$	$4 > -7$
$-2 < 0$	$0 < 2$	$2 > -2$
$3 > -4$	$-6 < 3$	$-10 < -9$
$-9 < -8$	$-7 > -9$	$-4 > -8$
$-10 < -2$	$0 < 10$	$-10 < 0$



Question 3: Answer the following.

1	Order these integers from least to greatest: -5, 8, -3, 0, -1, 6, -9, 2. Answer: -9, -5, -3, -1, 0, 2, 6, 8.
2	Arrange these integers in ascending order: 12, -9, 6, -5, -3, 0, 4, -2. Answer: -9, -5, -3, -2, 0, 4, 6, 12.
3	Put these numbers in descending order: 7, -2, 0, -8, 5, -6, 3, -1. Answer: 7, 5, 3, 0, -1, -2, -6, -8.
4	Order these integers from smallest to largest: -15, -2, 10, -7, 4, -12, 8, -3. Answer: -15, -12, -7, -3, -2, 4, 8, 10.
5	Arrange the following numbers in increasing order: -20, 18, -10, 5, -3, 15, -8, 0. Answer: -20, -10, -8, -3, 0, 5, 15, 18.
6	Put these integers in descending order: 9, -4, 0, 2, -8, 6, -1, 7. Answer: 9, 7, 6, 2, 0, -1, -4, -8.
7	Order these integers from least to greatest: -6, 3, -1, 0, -2, 1, -4, 5. Answer: -6, -4, -2, -1, 0, 1, 3, 5.
8	Arrange these integers in ascending order: -14, 7, -9, 3, -2, 0, -6, 4. Answer: -14, -9, -6, -2, 0, 3, 4, 7.
9	Put these numbers in descending order: 11, -3, 0, -8, 4, -5, 9, -2. Answer: 11, 9, 4, 0, -2, -3, -5, -8.
10	Order these integers from smallest to largest: -25, -1, 15, -7, 10, -18, 12, -9. Answer: -25, -18, -9, -7, -1, 10, 12, 15.