Integers

Name _____ Date _____

Write the opposite, or the absolute value.

Common Core 6.NS.C.6–7

Example |−23| = ?

1. Absolute value is the distance from 0. Distance is never negative.
2. −23 is 23 steps from 0.

Answer: 23

1. Opposite of −40 = ☐
2. Opposite of the opposite of −28 = ☐
3. Opposite of the opposite of 14 = ☐
4. |16| = ☐
5. |5.4| = ☐
6. |−9.5| = ☐

Write <, > or = in each box.

Example Write <, > or = : −8 ? −3

1. On a number line, the number further right is greater.
2. −3 is to the right of −8, so −8 is less.

Answer: −8 < −3

7. −7 ☐ 6
8. −8 ☐ 19
9. 4 ☐ −1
10. 13 ☐ −17
11. −16 ☐ 8
12. 19 ☐ −3

Free to share with other families. Not for resale.

The coordinate plane

Name _____ Date _____

Write the quadrant, or the axis.

Common Core 6.NS.C.6, 6.NS.C.8

Example Where is the point (−2, 7)?

1. x is negative (left) and y is positive (up).
2. Left and up is quadrant II. (If x or y is 0, the point is on an axis.)

Answer: quadrant II

1. (−3, 1) is ☐
2. (−4, 3) is ☐
3. (3, 7) is ☐
4. (9, −7) is ☐
5. (−6, 0) is ☐
6. (−9, −3) is ☐

Reflect, or find the distance.

Example Distance from (−4, 2) to (3, 2)?

1. The y-coordinates are the same, so count along the row.
2. From −4 to 0 is 4 units, from 0 to 3 is 3 units: 4 + 3 = 7.

Answer: 7 units

7. (−4, −4) reflected in the y-axis → (☐ , ☐)
8. (8, 2) reflected in the x-axis → (☐ , ☐)
9. (11, 1) reflected in the y-axis → (☐ , ☐)
10. (1, −7) and (1, 8) → ☐ units
11. (6, −1) and (0, −1) → ☐ units
12. (7, −5) and (0, −5) → ☐ units

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Answers

Answers are in the same order as the boxes.

Page 1 · Integers

1. 40
2. −28
3. 14
4. 16
5. 5.4
6. 9.5
7. <
8. <
9. >
10. >
11. <
12. >

Page 2 · The coordinate plane

1. II
2. II
3. I
4. IV
5. on the x-axis
6. III
7. (4, −4)
8. (8, −2)
9. (−11, 1)
10. 15
11. 6
12. 7

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