Name: Date:

Integers, Opposites and Absolute Value

Grade 6 · Ages 11-12 · Math · Number Sense · ★★

Write each answer on the line: the integers in the order asked (like −7, 0, 4), or the integer for a temperature, depth, height or floor (below zero, below sea level and below the ground are negative). Where two absolute values have a box between them, write <, >, or = in the box.

1. |−25| ☐ |−37| (write <, >, or =)

2. Write these integers in order from greatest to least: −15, −42, 6

_____

3. |−31| ☐ |33| (write <, >, or =)

4. Write these integers in order from greatest to least: −2, −35, −3

_____

5. |12| ☐ |−47| (write <, >, or =)

6. Write these integers in order from least to greatest: −12, 26, −29

_____

7. |−9| ☐ |35| (write <, >, or =)

8. Write these integers in order from greatest to least: −31, −10, −44

_____

9. Write these integers in order from greatest to least: −13, −37, 34

_____

10. Write these integers in order from least to greatest: 15, −13, 33

_____

11. The temperature is −49 °C. How many degrees below zero is that? _____

12. A kite is 35 m above the ground. Write that as an integer. _____

13. A diver is 19 m below sea level. Write that as an integer. _____

14. A car park is on floor −5. How many floors below the ground floor is that? _____

15. Write these integers in order from least to greatest: 14, 42, −37

_____

16. The temperature is 6 °C below zero. Write it as an integer. _____

17. The bottom of a well is at −23 m. How far below the ground is it, in m? _____

18. Write these integers in order from least to greatest: −40, 33, 27

_____

19. Write these integers in order from greatest to least: 32, −36, 7

_____

20. A diver is at −50 m. How far below the water is the diver, in m? _____

Cotuz

ANSWER KEY

Integers, Opposites and Absolute Value

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1. $|-25|$ [<] $|-37|$ (write <, >, or =)

2. Write these integers in order from greatest to least: −15, −42, 6

Answer: 6, −15, −42

3. $|-31|$ [<] $|33|$ (write <, >, or =)

4. Write these integers in order from greatest to least: −2, −35, −3

Answer: −2, −3, −35

5. $|12|$ [<] $|-47|$ (write <, >, or =)

6. Write these integers in order from least to greatest: −12, 26, −29

Answer: −29, −12, 26

7. $|-9|$ [<] $|35|$ (write <, >, or =)

8. Write these integers in order from greatest to least: −31, −10, −44

Answer: −10, −31, −44

9. Write these integers in order from greatest to least: −13, −37, 34

Answer: 34, −13, −37

10. Write these integers in order from least to greatest: 15, −13, 33

Answer: −13, 15, 33

11. The temperature is −49 °C. How many degrees below zero is that? **49**

12. A kite is 35 m above the ground. Write that as an integer. **35**

13. A diver is 19 m below sea level. Write that as an integer. **−19**

14. A car park is on floor −5. How many floors below the ground floor is that? **5**

15. Write these integers in order from least to greatest: 14, 42, −37

Answer: −37, 14, 42

16. The temperature is 6 °C below zero. Write it as an integer. **−6**

17. The bottom of a well is at −23 m. How far below the ground is it, in m? **23**

18. Write these integers in order from least to greatest: −40, 33, 27

Answer: −40, 27, 33

19. Write these integers in order from greatest to least: 32, −36, 7

Answer: 32, 7, −36

20. A diver is at −50 m. How far below the water is the diver, in m? **50**