Cotuz

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. Write these integers in order from least to greatest: −44, 8, −47

_____

2. |−18| ☐ |−42| (write <, >, or =)

3. Write these integers in order from least to greatest: 0, −45, −20

_____

4. |−6| ☐ |−43| (write <, >, or =)

5. Write these integers in order from greatest to least: 6, −15, −9

_____

6. |−33| ☐ |8| (write <, >, or =)

7. |−23| ☐ |−14| (write <, >, or =)

8. Write these integers in order from greatest to least: 32, −19, 25

_____

9. The temperature is −21 °C. How many degrees below zero is that? _____

10. A well goes 43 m below the ground. Write that as an integer. _____

11. Write these integers in order from least to greatest: 35, 25, −31

_____

12. A car park is on floor −47. How many floors below the ground floor is that?

_____

13. Write these integers in order from least to greatest: 25, –17, 4

_____

14. The temperature is –36 °C. How many degrees below zero is that? _____

15. A well goes 36 m below the ground. Write that as an integer. _____

16. Write these integers in order from least to greatest: –2, 34, 17

_____

17. A car park is on floor –32. How many floors below the ground floor is that?

_____

18. A hill top is 43 m above sea level. Write that as an integer. _____

19. The temperature is –14 °C. How many degrees below zero is that? _____

20. A well goes 34 m below the ground. Write that as an integer. _____

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ANSWER KEY

Integers, Opposites and Absolute Value

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1. Write these integers in order from least to greatest: −44, 8, −47

Answer: −47, −44, 8

2. |−18| [<] |−42| (write <, >, or =)

3. Write these integers in order from least to greatest: 0, −45, −20

Answer: −45, −20, 0

4. |−6| [<] |−43| (write <, >, or =)

5. Write these integers in order from greatest to least: 6, −15, −9

Answer: 6, −9, −15

6. |−33| [>] |8| (write <, >, or =)

7. |−23| [>] |−14| (write <, >, or =)

8. Write these integers in order from greatest to least: 32, −19, 25

Answer: 32, 25, −19

9. The temperature is −21 °C. How many degrees below zero is that? **21**

10. A well goes 43 m below the ground. Write that as an integer. **−43**

11. Write these integers in order from least to greatest: 35, 25, −31

Answer: −31, 25, 35

12. A car park is on floor −47. How many floors below the ground floor is that? **47**

13. Write these integers in order from least to greatest: 25, –17, 4

Answer: –17, 4, 25

14. The temperature is –36 °C. How many degrees below zero is that? **36**

15. A well goes 36 m below the ground. Write that as an integer. **–36**

16. Write these integers in order from least to greatest: –2, 34, 17

Answer: –2, 17, 34

17. A car park is on floor –32. How many floors below the ground floor is that? **32**

18. A hill top is 43 m above sea level. Write that as an integer. **43**

19. The temperature is –14 °C. How many degrees below zero is that? **14**

20. A well goes 34 m below the ground. Write that as an integer. **–34**