MODULE 1 · Integers

Module Quiz: B

1. Which names the opposite and absolute value of –9?

   A –9, 0

   B 9, 0

   C 9, 9

   D –9, –9

2. Which names the opposite and absolute value of 12?

   A –12, 0

   B –12, 12

   C 12, +12

   D –12, –12

3. 3 and –3 are _____.

   A absolute values

   B positive

   C opposites

   D negative

4. Numbers with the same absolute value

   are _____.

   A equal to zero

   B always positive

   C always negative

   D equally distant from zero

5. How would you use a number line to order integers from least to greatest?

   A Graph the integers, then read them from right to left.

   B Graph the integers, then read them from left to right.

   C Graph the absolute values, then read them from left to right.

   D Graph the absolute values, then read them from right to left.

6. Four workers are repairing a bridge at these distances from the roadway.

   Worker 1: 7 feet below the roadway
   Worker 2: 13 feet above the roadway
   Worker 3: 13 feet below the roadway
   Worker 4: at the roadway

   Which shows the distances in order from highest to lowest?

   A 0, –7, 13, –13

   B 13, –13, –7, 0

   C 13, 0, –13, –7

   D 13, 0, –7, –13

7. The farther an integer is from zero, the

   _____ its absolute value.

   A less

   B more negative

   C greater

   D opposite

8. To represent the opposite of a loss of 5 points on the stock market, you could use

   A –5

   B 0

   C $\frac{1}{5}$

   D 5

9. Five chemistry students observed the following mixture temperatures.

Student	Mixture Temperature (°C)
Alex	–5
Casey	3
Gabriella	–4
Ernie	5
Morgan	–1

   Which shows the temperatures in order from greatest to least?

   A –5, –4, –1, 3, 5

   B 5, –5, –4, 3, 1

   C 5, 3, –1, –4, –5

   D 5, 3, –5, –4, –1

10. Roger's dog Ty lost and gained weight over a six-week period.

Week	1	2	3	4	5	6
Loss/Gain	–3	2	–4	1	–2	0

    Which shows Ty's weight changes in order from greatest loss to greatest gain?

    A 2, 1, 0, –2, –3, –4

    B 0, 1, 2, –2, –3, –4

    C –4, –3, –2, 2, 1, 0,
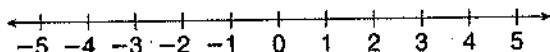
    D –4 –3, –2, 0, 1, 2

MODULE 1 **Integers** _____

11. Over a business week, the lost-and-found department at a train station received and returned several items. The table shows the items received (+) and returned (−).

Items Received and Returned				
Mon.	Tues.	Wed.	Thurs.	Fri.
4	−3	5	0	−5

Graph and label the changes on the number line.

12. Katia and Thomasina play a computer game and record these scores.

Katia: 8, 6, −4, −7, 2, 0, 3
Thomasina: −11, 0, 8, 7, 5, −7, 11

Compare Katia's and Thomasina's least

scores. _____

13. Complete. To find the absolute value of a

number, find the _____

from zero and write the distance as a

_____ integer.

14. Complete. The set of integers is made up

of positive integers, _____

integers, and _____.

15. Complete. You can use the symbol ____

to show a number is greater than another

and the symbol ____ to show a number is

less than another.

16. Complete. The _____ of

−7 and ____ is 7.

17. The opposite of the absolute value of

−8 is ____. Explain.

_____

_____

For 18–20, use the table.

In an athletic event, competitors both climb and dive. The table below shows some of their climbs and dives.

Student	Climb (ft)	Dive (ft)
Al	25	−9
Beth	13	−12
Chaz	15	−7
Dora	24	−11
Earl	20	−13

18. Which competitor makes the shortest

climb? _____

19. Which competitor makes the deepest

dive? _____

20. Which competitor covers the greatest distance in climbs and dives?
(Hint: Use absolute values.)

_____

21. A submarine is at 756 feet. How many feet will it need to rise to be at the

surface? ____