

## Review 3A: Numbers

1. Which situation would most likely be represented by a rational number that is **not** an integer?

A number of students in a classroom  
 B score on a math test  
 C number of keys on a keyboard  
 D price of a pencil

2. The temperature in Chicago was  $-5^{\circ}\text{C}$  on Monday. Which of the following temperatures is lower than  $-5^{\circ}\text{C}$ ?

A  $-6^{\circ}\text{C}$                       C  $1^{\circ}\text{C}$   
 B  $-4^{\circ}\text{C}$                       D  $5^{\circ}\text{C}$

3. To which set or sets of numbers does the number 5 belong?

A rational numbers only  
 B integers only  
 C integers and rational numbers only  
 D integers, whole numbers, and rational numbers

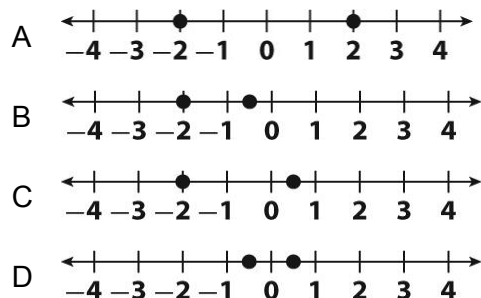
4. Which number has the same absolute value as  $-2$ ?

A  $-\frac{1}{2}$                       C  $\frac{1}{2}$   
 B 0                              D 2

5. What is the opposite of  $-5$ ?

A  $-\frac{1}{5}$                       C  $\frac{1}{5}$   
 B 0                              D 5

6. Which number line shows  $-2$  and its opposite?



7. What is the greatest common factor (GCF) of 24 and 42?

A 3                              C 7  
 B 6                              D 12

8. Which of the following statements is **not** true?

A  $-5 < -4$                       C  $4 < 5$   
 B  $-2 < -3$                       D  $-2 < 5$

9. Which of the following numbers is furthest from 0 on the number line?

A  $-3$                               C 2  
 B  $-2$                               D 4

10. Which of the following shows numbers ordered from least to greatest?

A  $-2, -1, 0, 1$   
 B  $-2, 1, -1, 0$   
 C  $-2, -1, 1, 0$   
 D  $1, 0, -1, -2$

11. The temperature in Vancouver is  $-8^{\circ}\text{C}$ , in Montreal it is  $-4^{\circ}\text{C}$ , in Seattle it is  $-6^{\circ}\text{C}$ , and in Buffalo it is  $-10^{\circ}\text{C}$ . Which city is the coldest?

A Vancouver  
 B Montreal  
 C Seattle  
 D Buffalo

12. What is the least common multiple of 12 and 9?

A 3                              C 12  
 B 9                              D 36

13. What number has the same absolute value as  $-4$ ?

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14. **Temperatures in Minneapolis**

Day	Temperature
Monday	$-4.2^{\circ}\text{C}$
Tuesday	$-4.1^{\circ}\text{C}$
Wednesday	$-5.8^{\circ}\text{C}$
Thursday	$-1.5^{\circ}\text{C}$

The table shows temperatures in Minneapolis on four weekdays. List the temperatures from least (coldest) to greatest (warmest).

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15. What is the value of  $|-8|$ ?

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16. Thomasina wrote down a number that is both rational and a whole number. What is one possible number she could have written down?

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17. Find multiples of 4 and 5. Identify the least common multiple (LCM).

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18. Ali graphed the numbers  $-3$  and  $4$  on the number line. Which number is further from 0? Explain.

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19. Write the common factors of 12 and 16. Identify the common factors and the greatest common factor.

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20. **Heights in Mr. Yu's Class**

Student	Height (ft)
Marilyn	5.1
Suki	$5\frac{1}{5}$
Brett	5.5
Amir	$5\frac{1}{4}$

The table shows the heights in feet for students in Mr. Yu's class.

List the heights in order from greatest to least.

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21. Write the number  $3\frac{2}{5}$  in  $\frac{a}{b}$  form.

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22. Kammi wrote the numbers  $-3$ ,  $-3.5$ ,  $4$ , and  $-4.5$  in order from least to greatest. How did she write the numbers?

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23. Is the statement  $-5 < 3$  true? Explain why or why not.

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24. Phillip wrote an integer that is less than  $-2$  and greater than  $-3.5$ . Which integer did he write?

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