

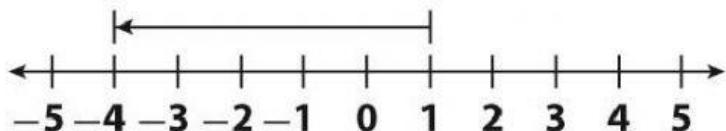


## DIAGNOSTIC TEST 6th GRADE

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Sixth Graders  
February 2021

1. Georgina works on the 30<sup>th</sup> floor of an office building. She took the elevator to the cafeteria on the 7<sup>th</sup> floor. How many floors did she travel?

2. Which of the following is modeled with the number line below?



A.  $1 + (-4)$   
B.  $1 + (-5)$   
C.  $1 - (-5)$   
D.  $1 - (-4)$

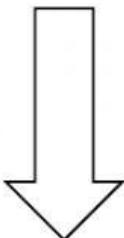
3. Danielle is playing a game. She started with 10 points. In the first round she lost 20 points. In the second round she won 45 points. Which of the following shows the changes in Danielle's score?

A.  $10 - 20 + 45$   
B.  $10 - 20 - 45$   
C.  $-10 - 20 + 45$   
D.  $-10 - 20 - 45$

4. Which of the following is the additive inverse of  $-3$ ?

A.  $-\frac{1}{3}$   
B. 0  
C.  $\frac{1}{3}$   
D. 3

Continua



5. What number can be added to  $-4$  to get a sum of  $0$ ?

- A.  $-4$
- B.  $0$
- C.  $\frac{1}{4}$
- D.  $4$

6. Mike deposited  $\$200$  into his bank account. He then wrote checks for  $\$20$  and  $\$30$ . Then he deposited  $\$40$  dollars more. Which of the following represents the changes in the value of Mike's account?

- A.  $200 - 20 - 30 + 40$
- B.  $200 - 20 + 30 + 40$
- C.  $200 + 20 - 30 - 40$
- D.  $200 + 20 - 30 + 40$

7. A submarine's elevation is  $-14$  feet relative to sea level. A shark is swimming at an elevation of  $-56$  feet. What is the difference in elevation between the submarine and the shark?

8. Write an integer to represent each situation.

An elevator ride down  
27 floors.

A  $\$700$  profit.

46° degrees below zero.

A gain of 12 yards.

-1. Find the sum or difference.

$183 + 78$

$677 - 288$

$1188 - 902$

$2647 - 1885$

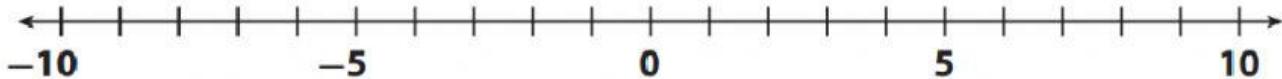
-2. Drag each number on the numberline.

7

-4

-9

4



You've finished. Congrats!