

## 6.NS.7: Worksheet

1. What does the statement  $-5 < -2$  tell us?  
temperatures  $3^{\circ}\text{C}$ ,  $-9^{\circ}\text{C}$ , and  $-1^{\circ}\text{C}$ . What does each inequality tell us?
2. What does the statement  $-\frac{1}{11} > -\frac{6}{11}$  tell us?
3. Freddie the frog sits at  $-2$  on the number line and hops 3 units away. Where on the number line is he now?
4. Alf, a penguin, dives down to 200 feet below sea level. Ari, his friend, dives down to 193 feet below sea level. Which penguin reached a greater depth? Explain your reasoning.
5. How many numbers can have an absolute value of 6? Why? What are they?
6. Write three inequalities comparing each of the  
temperatures  $3^{\circ}\text{C}$ ,  $-9^{\circ}\text{C}$ , and  $-1^{\circ}\text{C}$ . What does each inequality tell us?
7. Reggie's account balance is  $-215$  dollars. (He shouldn't have bought those anti-gravity boots.) How much money does Reggie owe?
8. Alexa has an account balance of less than  $-60$  dollars, and Carmen has an account balance of more than  $-60$  dollars. Who is in more debt? How do you know?
9. Samantha rides her bike  $-4$  miles due east. What does this mean? What does the absolute value of this number mean?
10. Write an inequality to express the fact that being 20 dollars is better than owing 30 dollars.