

Name \_\_\_\_\_

**Math 7: Absolute Value**

1. What is the value of  $|5905|$  ? \_\_\_\_\_

2. What is the value of  $|-114|$  ? \_\_\_\_\_

3. What is the value of  $|6.4|$  ? \_\_\_\_\_

4. What is the value of  $|-7.4|$  ? \_\_\_\_\_

5. What is the value of  $\left|\frac{5}{6}\right|$  ? \_\_\_\_\_

6. What is the value of  $\left|-\frac{10}{19}\right|$  ? \_\_\_\_\_

7. Evaluate:  $|49| + |-6|$  \_\_\_\_\_

8. 77 could be the value of which of the following? \_\_\_\_\_

- A)  $|77|$  only                      B)  $|-77|$  only                      C) both  $|77|$  and  $|-77|$

9 a. Select the largest value. \_\_\_\_\_

- A)  $|8|$                       B)  $-6$                       C)  $|-30|$                       D)  $-30$

b. Select the largest value. \_\_\_\_\_

- A)  $|-18|$                       B)  $|-21|$                       C)  $-18$                       D) 22

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10a. Select the smallest value. \_\_\_\_\_  
A)  $-9$                       B)  $|-17|$                       C)  $|-8|$                       D)  $-17$

b. Select the smallest value. \_\_\_\_\_  
A)  $|-20|$                       B)  $-19$                       C)  $20$                       D)  $-20$

11. Select *all* options that are less than  $|-27|$ . \_\_\_\_\_  
A)  $|-20|$                       B)  $26$                       C)  $37$                       D)  $|-38|$

12. Select *all* options that are greater than  $|-14|$ . \_\_\_\_\_  
A)  $|-18|$                       B)  $|14|$                       C)  $-4$                       D)  $20$

13. For each of the following, choose the sign ( $<$ ,  $>$ , or  $=$ ) that would make it true.

a.  $|-10|$  \_\_\_\_\_  $|-4|$                       b.  $|-45|$  \_\_\_\_\_  $|9|$                       c.  $|-39|$  \_\_\_\_\_  $|39|$

14. Evaluate each of these numbers and order the results from smallest to largest.

$|-12|$ ,  $|-29|$ ,  $|-19|$                       \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

15. Evaluate each of these numbers and order the results from smallest to largest.

$|-24|$ ,  $|-11|$ ,  $|46|$ ,  $|39|$                       \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

16. Ursula and Marge are meeting to have dinner at 7pm. \_\_\_\_\_  
Ursula is 26 minutes early, and Marge is 10 minutes late.  
Who is closest to being on time?

17. Kathleen is in a hot air balloon 8.3 meters above sea level. \_\_\_\_\_  
Ben is exploring a cave 6.5 meters below sea level.  
Select *all* correct responses that apply.
- A) Ben has greater elevation than Kathleen.
  - B) Kathleen is further from sea level than Ben.
  - C) Kathleen has greater elevation than Ben.
  - D) Ben is further from sea level than Kathleen.
18. Amelia has an account balance of  $-\$16.60$ , and Mark has a balance of  $-\$53.30$ .
- a. Who has the biggest debt? \_\_\_\_\_
  - b. Whose balance is furthest from  $\$0$ ? \_\_\_\_\_
19. Cairo's high temperature was  $44.3^{\circ}\text{C}$  while Reykjavik's temperature was  $-6.8^{\circ}\text{C}$ .
- a. Which city had the highest temperature? \_\_\_\_\_
  - b. Which city's high temperature is closest to  $0^{\circ}\text{C}$ ? \_\_\_\_\_
20. Aaron has an account balance of  $-\$46.40$ , and John has a balance of  $\$19.70$ .
- a. Who has the most money in their account? \_\_\_\_\_
  - b. Whose bank account has the greatest absolute value? \_\_\_\_\_
  - c. If John gave all the money in his account to Aaron, would Aaron be able to clear his debt? (*Yes or No*) \_\_\_\_\_