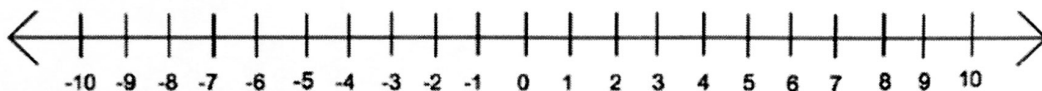


Name: KEY Period: _____

Distance Between Numbers Homework

Find the distance between points using the number line.



1. The distance between -5 and -1 is 4. 3. The distance between -10 and -3 is 7.
2. The distance between -2 and 6 is 8. 4. The distance between 9 and -9 is 18.

Find the distance between points by finding the absolute value of their difference. $|x - y|$

5. The distance between 18 and 47 is 29. Hint: $|18 - 47| = |-29| = 29$
6. The distance between 34 and -8 is 42. Hint: $|34 - (-8)| = |42| = 42$
7. The distance between -19 and -47 is 28. $|-19 - (-47)| = |28| = 28$
8. The distance between -9.7 and 4.3 is 14. $|-9.7 - 4.3| = |-14| = 14$
9. The distance between 33.87 and 75.28 is 41.41. $|33.87 - 75.28| = |-41.41| = 41.41$
10. The distance between $-\frac{3}{4}$ and $-\frac{1}{8}$ is $\frac{5}{8}$. $|\frac{-6}{8} - \frac{-1}{8}| = |\frac{-5}{8}| = \frac{5}{8}$