## Exercise 5

The distance between $a$ and $b$ on the real line is $d(a, b)=$ $\qquad$ . So the distance between -5 and 2 is $\qquad$ -

## Solution

The distance on the real line is $d(a, b)=|b-a|$. For example, the distance between -5 and 2 is

$$
d(-5,2)=|2-(-5)|=|7|=7 .
$$

