

**Exercise 76**

**Distance** Find the distance between the given numbers.

(a)  $\frac{7}{15}$  and  $-\frac{1}{21}$       (b)  $-38$  and  $-57$       (c)  $-2.6$  and  $-1.8$

---

**Solution**

The distance between the numbers is the absolute value of their difference.

$$(a) \left| \frac{7}{15} - \left( -\frac{1}{21} \right) \right| = \left| \frac{18}{35} \right| = \frac{18}{35}$$

$$(b) |-38 - (-57)| = |19| = 19$$

$$(c) |-2.6 - (-1.8)| = |-0.8| = 0.8$$