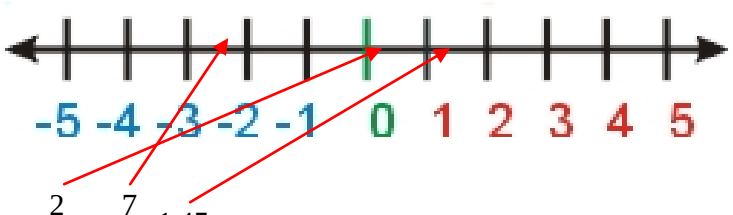
1.3 Reálná čísla

Číselná osa:

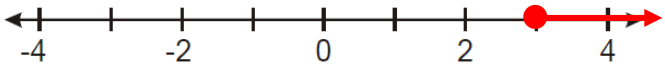
Znázornění zlomků na čís. ose -



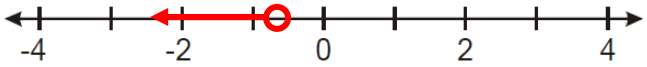
Př.: Znázorni na číselné ose $\frac{2}{5}$; $-\frac{7}{3}$; 1,45

Př.: Znázorni na číselné ose všechna x, pro která platí: , ,

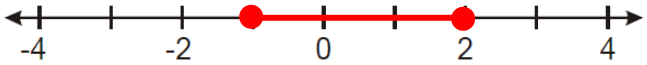
$x \geq 3$



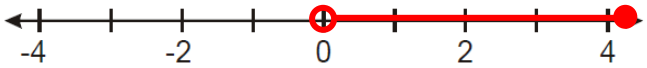
$x < -\frac{3}{5}$



$-1 \leq x \leq 2$



$0 < x \leq 4{,}2$



Absolutní hodnota – vyjadřuje vzdálenost obrazu čísla na číselné ose od nuly: $|3| = 3$, $|-2{,}5| = 2{,}5$

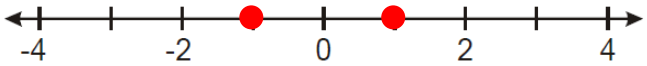
Je-li $a \geq 0$ ***pak*** $|a| = a$

Je-li $a < 0$ ***pak*** $|a| = -a$

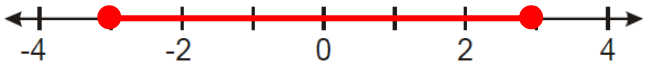
Př.: Vypočítej: $|-2+|-3||$, $|-5+(-2)|2-3||-8$, $|2-|3|+4|-2||-|3\cdot(-2)|$

Př.: Znázorni na číselné ose všechna x, pro která platí:

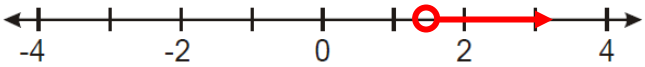
$|x| = 1$



$|x| \leq 3$



$|x| > 1{,}5$



Př.: Sbírka str. 13/11, Učebnice str. 25/21, 22, 23, 24