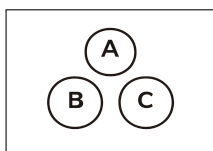


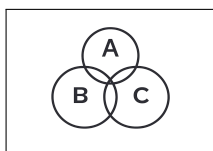
4

Basic Properties and Facts Properties of Inequalities

C



$$(4 < 5) \wedge (-3 < 0) \rightarrow (4 \times -3) > (5 \times -3) \wedge -4/3 > -5/3$$



$$(a < b) \wedge (c < 0) \rightarrow (a \times c) > (b \times c) \wedge (a/c) > (b/c)$$



$$a = 20$$

$$b = 21$$

$$c = -22$$

$$a < b \rightarrow ?$$

$$c < 0 \rightarrow ?$$

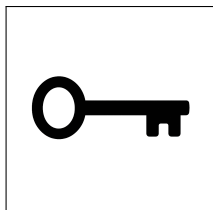
$$(a \times c) > (b \times c) \rightarrow ?$$

$$(a/c) > (b/c) \rightarrow ?$$

4

Basic Properties and Facts Properties of Inequalities

C



$$a = 20$$

$$b = 21$$

$$c = -22$$

$$a < b \rightarrow \text{thumbs up}$$

$$c < 0 \rightarrow \text{thumbs up}$$

$$(a \times c) > (b \times c) \rightarrow \text{thumbs up}$$

$$(a/c) > (b/c) \rightarrow \text{thumbs up}$$