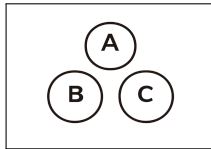


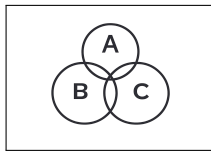
4

Basic Properties and Facts Properties of Inequalities

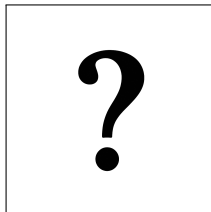
B



$$5 < 6 \wedge 7 > 0 \rightarrow 5 \times 7 < 6 \times 7 \wedge 5/7 < 6/7$$



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



$$a = 10$$

$$b = 11$$

$$c = 12$$

$$a < b \rightarrow ?$$

$$c > 0 \rightarrow ?$$

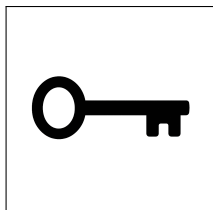
$$a \times c < b \times c \rightarrow ?$$

$$a/c < b/c \rightarrow ?$$

4

Basic Properties and Facts Properties of Inequalities

B



$$a = 10$$

$$b = 11$$

$$c = 12$$

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

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

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

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