



Represent inequalities on a number line

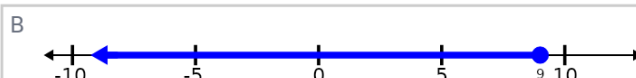
1

All real numbers greater than or equal to -10 and less than or equal to 4

**2**

Which number line shows this domain?

$$\{X \in \mathbb{R} | 0 < X \leq 9\}$$

**3**

What range does this number line show?



A
All real numbers
greater than -8 and
less than or equal to 1

B
All real numbers
greater than or equal
to -8 and less than or
equal to 1

4

What inequality describes the range on this number line?

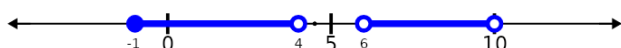


A
 $1 \leq Y \leq 5$

B
 $1 < Y \leq 5$

5

What inequality describes the domain on this number line?



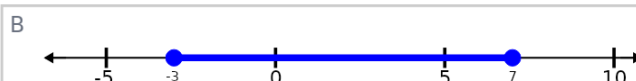
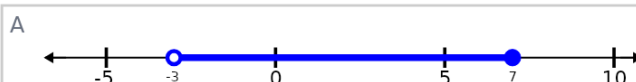
A
 $-1 \leq X < 4 \text{ or } 6 < X \leq 10$

B
 $-1 \leq X < 4 \text{ or } 6 < X < 10$

6

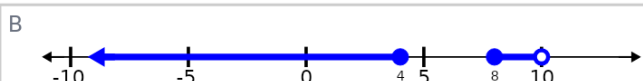
Which number line shows this range?

$$-3 < Y \leq 7$$

**7**

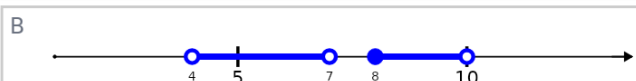
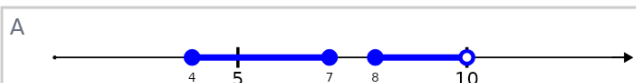
Which number line shows this range?

$$Y \leq 4 \text{ or } 8 \leq Y < 10$$

**8**

Which number line shows this domain?

$$\{X \in \mathbb{R} | 4 \leq X \leq 7 \text{ or } 8 \leq X < 10\}$$





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9

Which number line shows this range?

$$Y \leq 2$$

A



B

**10**

Which number line shows this domain?

$$-9 < X < 1 \text{ or } 2 \leq X < 7$$

A



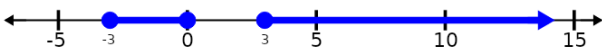
B

**11**

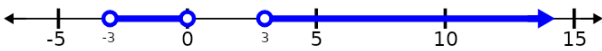
Which number line shows this domain?

$$\{X \in \mathbb{R} \mid -3 < X < 0 \text{ or } 3 < X\}$$

A



B

**12**

Which number line shows this range?

$$3 < Y$$

A



B

