

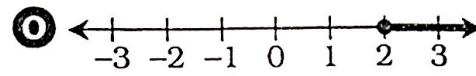
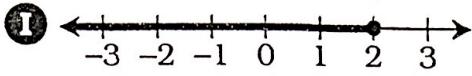
What Is The First Thing You Should Do To Become a Mattress Maker?

Key

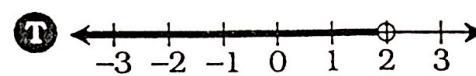
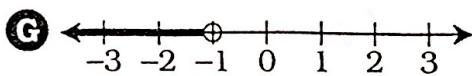
For each exercise, write the letter of the answer in the box containing the number of the exercise.

In Exercises 1-6, match the inequality with its graph.

1 $x < 2$



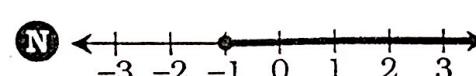
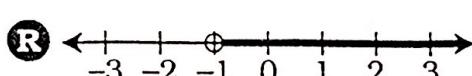
2 $x \leq 2$



3 $x > -1$

4 $x \geq -1$

5 $-1 > x$ $x < -1$



6 $2 \leq x$ $x \geq 2$

In Exercises 7-18, solve the inequality. Then graph the solution.

7 $3n + 1 < 10$

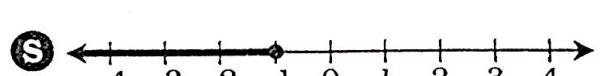
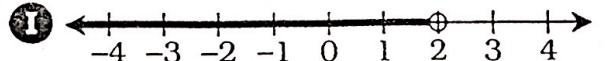
$$\frac{3n}{3} < \frac{9}{3}$$

$$n < 3$$

8 $5a - 2 \geq 8$

$$\frac{5a}{5} \geq \frac{10}{5}$$

$$a \geq 2$$



9 $4y + 7 \leq 3$

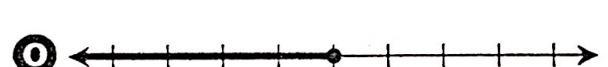
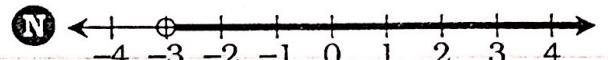
$$\frac{4y}{4} \leq \frac{-4}{4}$$

$$y \leq -1$$

10 $9k - 2 > -20$

$$\frac{9k}{9} > \frac{-18}{9}$$

$$k > -2$$



11 $\frac{x}{2} + 15 < 16$

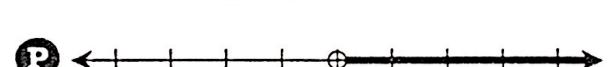
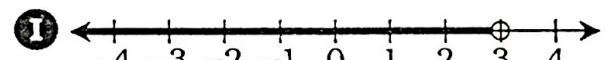
$$\frac{x}{2} < 1$$

$$x < 2$$

12 $\frac{d}{3} - 8 \geq -10$

$$\frac{d}{3} > -2$$

$$d \geq -6$$



13 $\frac{u}{9} - 4 \leq -4$

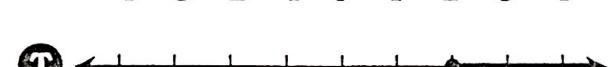
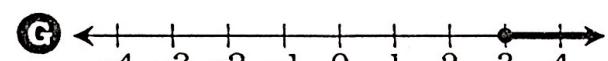
$$\frac{u}{9} \leq 0$$

$$u \leq 0$$

14 $6p - 15 < 33$

$$\frac{6p}{6} < \frac{48}{6}$$

$$p < 8$$



15 $17 \leq 5b + 2$

$$\frac{17}{5} \leq \frac{5b}{5}$$

$$3 \leq b$$

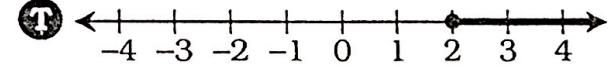
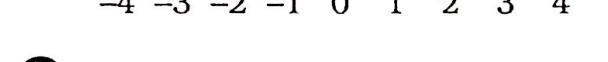
or $b \geq 3$

16 $-23 < 8y + 1$

$$\frac{-24}{8} < \frac{8y}{8}$$

$$-3 < y$$

or $y > -3$



17 $-6 \geq \frac{x}{6} - 7$

$$\frac{-6}{6} \geq \frac{x}{6} - 7$$

$$6 \geq x$$

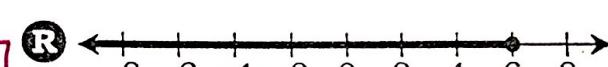
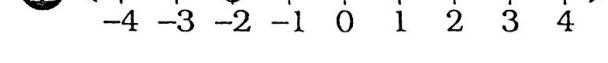
or $x \leq 6$

18 $5 < \frac{m}{12} + 5$

$$\frac{-5}{-5} < \frac{m}{12} + 5$$

$$0 < \frac{m}{12}$$

or $m > 0$



19 $1 \geq \frac{x}{6}$

$$\frac{6}{6} \geq \frac{x}{6}$$

$$6 \geq x$$

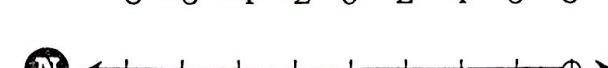
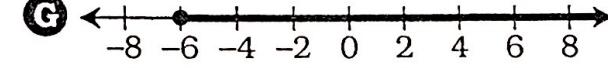
or $x \leq 6$

20 $0 < \frac{m}{12}$

$$\frac{0}{-5} < \frac{m}{12}$$

$$0 < m$$

or $m > 0$



15 6 1 13 9 18 3 11 14 5 8 17 10 2 16 7 4 12
 G O T O S p r i n g r a i n i n g