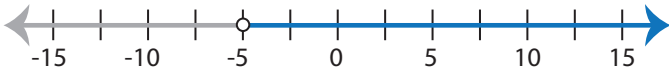


Identifying Inequalities

ES1

Choose the correct inequality that best describes each graph.

1)



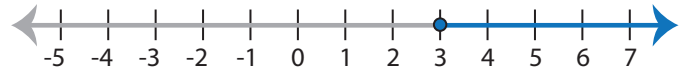
a) $x \leq 1 + \frac{6x}{5}$

b) $1 + \frac{6x}{5} > x$

c) $1 + \frac{6x}{5} < x$

d) $x \geq 1 + \frac{6x}{5}$

2)



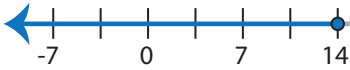
a) $15 < 3(4x - 7)$

b) $3(4x - 7) \leq 15$

c) $3(4x - 7) \geq 15$

d) $15 > 3(4x - 7)$

3)



a) $\frac{3x}{2} - x \leq 7$

c) $7 > \frac{3x}{2} - x$

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

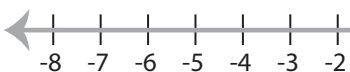
www.mathworksheets4kids.com



b) $2 \leq \frac{9x - 14}{11}$

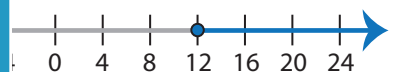
d) $\frac{9x - 14}{11} > 2$

5)



a) $25 \geq 5(2x + 3)$

c) $5(2x + 3) > 25$



b) $22 < x + \frac{5x}{6}$

d) $\frac{5x}{6} + x \leq 22$

7)



a) $\frac{7x+9}{5} > 6$

b) $6 \geq \frac{7x+9}{5}$

c) $6 \leq \frac{7x+9}{5}$

d) $\frac{7x+9}{5} < 6$

8)



a) $9 > x - \frac{10x}{7}$

b) $\frac{10x}{7} - x \geq 9$

c) $\frac{10x}{7} - x \leq 9$

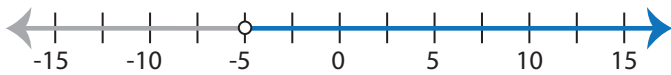
d) $9 < x - \frac{10x}{7}$

Identifying Inequalities

ES1

Choose the correct inequality that best describes each graph.

1)



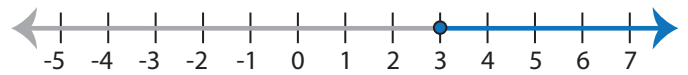
a) $x \leq 1 + \frac{6x}{5}$

b) $1 + \frac{6x}{5} > x$

c) $1 + \frac{6x}{5} < x$

d) $x \geq 1 + \frac{6x}{5}$

2)



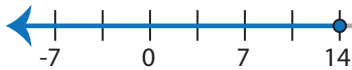
a) $15 < 3(4x - 7)$

b) $3(4x - 7) \leq 15$

c) $3(4x - 7) \geq 15$

d) $15 > 3(4x - 7)$

3)



a) $\frac{3x}{2} - x \leq 7$

c) $7 > \frac{3x}{2} - x$

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

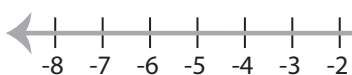
www.mathworksheets4kids.com



b) $2 \leq \frac{9x - 14}{11}$

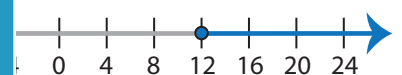
d) $\frac{9x - 14}{11} > 2$

5)



a) $25 \geq 5(2x + 3)$

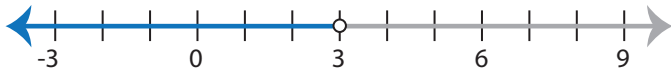
c) $5(2x + 3) > 25$



b) $22 < x + \frac{5x}{6}$

d) $\frac{5x}{6} + x \leq 22$

7)



a) $\frac{7x+9}{5} > 6$

b) $6 \geq \frac{7x+9}{5}$

c) $6 \leq \frac{7x+9}{5}$

d) $\frac{7x+9}{5} < 6$

8)



a) $9 > x - \frac{10x}{7}$

b) $\frac{10x}{7} - x \geq 9$

c) $\frac{10x}{7} - x \leq 9$

d) $9 < x - \frac{10x}{7}$