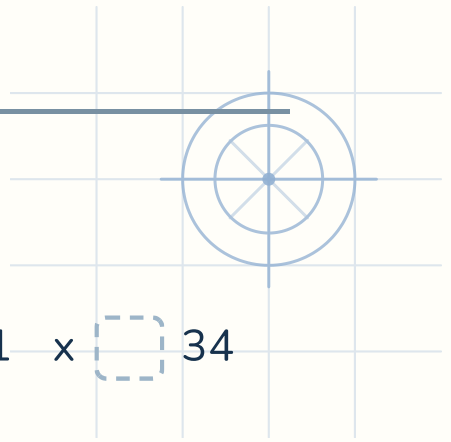


Inequalities — To 50

Name: _____

Date: _____

Solve each one, then write $>$, $<$, $\geq$ or $\leq$ in the box.



1 $x - 1 < 32$ x 33
 $32 + 1 = 33$
 $x < 33$

2 $x + 7 < 41$ x 34

3 $x + 6 < 13$ x 7

4 $x - 9 \geq 23$ x 32

5 $x + 2 > 43$ x 41

6 $x - 10 > 30$ x 40

7 $x + 1 \geq 10$ x 9

8 $x - 6 < 15$ x 21

9 $x + 1 \geq 39$ x 38

10 $x + 1 > 44$ x 43



Inequalities — To 50

Name: _____

Date: _____

Solve each one, then write $>$, $<$, $\geq$ or $\leq$ in the box.

1 $-8x \leq -8$ x 1
 $-8 \div -8 = 1$
 $\leq \rightarrow \geq$
 $x \geq 1$

2 $-2x \leq -22$ x 11

3 $2x \leq -14$ x -7

4 $-7x \geq -7$ x 1

5 $-3x \geq 24$ x -8

6 $4x > 16$ x 4

7 $8x \geq 32$ x 4

8 $-6x > -30$ x 5

9 $6x \geq 18$ x 3

10 $4x < 4$ x 1

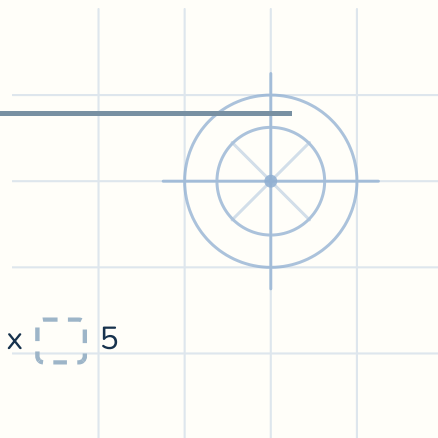


Inequalities — To 50

Name: _____

Date: _____

Solve each one, then write $>$, $<$, $\geq$ or $\leq$ in the box.



1 $3x + 4 \geq -32$ x -12
 $-32 - 4 = -36$
 $-36 \div 3 = -12$
 $x \geq -12$

2 $7x + 9 \leq 44$ x 5

3 $-2x + 9 > -31$ x 20

4 $-4x + 4 \geq 28$ x -6

5 $2x + 4 < 22$ x 9

6 $2x + 10 \leq 20$ x 5

7 $-8x + 11 \leq -5$ x 2

8 $-5x + 3 \geq 43$ x -8

9 $-3x + 11 > -13$ x 8

10 $6x + 10 \geq 40$ x 5



Inequalities — To 50

Name: _____

Date: _____

Solve each one, then write $>$, $<$, $\geq$ or $\leq$ in the box.

1 $-3x + 3 > 33$ x -10
 $33 - 3 = 30$
 $30 \div -3 = -10$
 $> \rightarrow <$
 $x < -10$

2 $-2x + 3 \geq -37$ x 20

3 $-3x < -48$ x 16

4 $-3x + 3 \geq -33$ x 12

5 $2x < 40$ x 20

6 $-6x > 24$ x -4

7 $4x > -36$ x -9

8 $x + 12 < 25$ x 13

9 $7x + 11 \geq -24$ x -5

10 $x - 7 \leq 20$ x 27



Power Pack · Inequalities — Answer key

One-step + and –

1. $x - 1 < 32 \rightarrow x < 33$

2. $x + 7 < 41 \rightarrow x < 34$

3. $x + 6 < 13 \rightarrow x < 7$

5. $x + 2 > 43 \rightarrow x > 41$

6. $x - 10 > 30 \rightarrow x > 40$

7. $x + 1 \geq 10 \rightarrow x \geq 9$

9. $x + 1 \geq 39 \rightarrow x \geq 38$

10. $x + 1 > 44 \rightarrow x > 43$

One-step $\times$ and $\div$

1. $-8x \leq -8 \rightarrow x \geq 1$

2. $-2x \leq -22 \rightarrow x \geq 11$

3. $2x \leq -14 \rightarrow x \leq -7$

4. $-7x \geq -7 \rightarrow x \leq 1$

5. $-3x \geq 24 \rightarrow x \leq -8$

6. $4x > 16 \rightarrow x > 4$

7. $8x \geq 32 \rightarrow x \geq 4$

8. $-6x > -30 \rightarrow x < 5$

9. $6x \geq 18 \rightarrow x \geq 3$

10. $4x < 4 \rightarrow x < 1$

Two-step

1. $3x + 4 \geq -32 \rightarrow x \geq -12$

2. $7x + 9 \leq 44 \rightarrow x \leq 5$

3. $-2x + 9 > -31 \rightarrow x < 20$

4. $-4x + 4 \geq 28 \rightarrow x \leq -6$

5. $2x + 4 < 22 \rightarrow x < 9$

6. $2x + 10 \leq 20 \rightarrow x \leq 5$

7. $-8x + 11 \leq -5 \rightarrow x \geq 2$

8. $-5x + 3 \geq 43 \rightarrow x \leq -8$

9. $-3x + 11 > -13 \rightarrow x < 8$

10. $6x + 10 \geq 40 \rightarrow x \geq 5$

Mixed

1. $-3x + 3 > 33 \rightarrow x < -10$

2. $-2x + 3 \geq -37 \rightarrow x \leq 20$

3. $-3x < -48 \rightarrow x > 16$

4. $-3x + 3 \geq -33 \rightarrow x \leq 12$

5. $2x < 40 \rightarrow x < 20$

6. $-6x > 24 \rightarrow x < -4$

7. $4x > -36 \rightarrow x > -9$

8. $x + 12 < 25 \rightarrow x < 13$

9. $7x + 11 \geq -24 \rightarrow x \geq -5$

10. $x - 7 \leq 20 \rightarrow x \leq 27$

