Compound Inequalities · 1

$0 < 3x - 9 < 9$

Compound Inequalities · 2

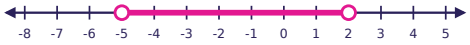
$2x + 2 < -8$ or $3x + 9 > 18$

Compound Inequalities · 3

$-2 < -4x + 6 < 14$

Compound Inequalities · 4

Write the compound inequality shown on the number line.



Compound Inequalities · 5

$-3 < 2x + 9 < 11$

Compound Inequalities · 6

$x - 7 < -10$ or $5x + 8 > 28$

Compound Inequalities · 7

$6 < 4x - 6 < 22$

Compound Inequalities · 8

Write the compound inequality shown on the number line.



Compound Inequalities · 2

ANSWER

$x < -5$ or $x > 3$

Compound Inequalities · 1

ANSWER

$3 < x < 6$

Compound Inequalities · 4

ANSWER

$-5 < x < 2$

Compound Inequalities · 3

ANSWER

$-2 < x < 2$

Compound Inequalities · 6

ANSWER

$x < -3$ or $x > 4$

Compound Inequalities · 5

ANSWER

$-6 < x < 1$

Compound Inequalities · 8

ANSWER

$x < -6$ or $x > -2$

Compound Inequalities · 7

ANSWER

$3 < x < 7$

Compound Inequalities · 9

$-3 < 4x - 7 < 5$

Compound Inequalities · 10

$x - 4 < -12$ or $5x - 1 > -1$

Compound Inequalities · 11

$17 < 3x + 8 < 23$

Compound Inequalities · 12

Write the compound inequality shown on the number line.



Compound Inequalities · 13

$15 < 6x + 9 < 51$

Compound Inequalities · 14

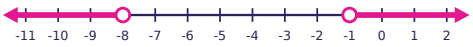
$4x - 6 < -2$ or $3x - 7 > 5$

Compound Inequalities · 15

$-1 < 3x - 4 < 11$

Compound Inequalities · 16

Write the compound inequality shown on the number line.



Compound Inequalities · 10

ANSWER

$x < -8$ or $x > 0$

Compound Inequalities · 9

ANSWER

$1 < x < 3$

Compound Inequalities · 12

ANSWER

$0 < x < 5$

Compound Inequalities · 11

ANSWER

$3 < x < 5$

Compound Inequalities · 14

ANSWER

$x < 1$ or $x > 4$

Compound Inequalities · 13

ANSWER

$1 < x < 7$

Compound Inequalities · 16

ANSWER

$x < -8$ or $x > -1$

Compound Inequalities · 15

ANSWER

$1 < x < 5$

Compound Inequalities · 17

$-20 < -2x - 6 < -4$

Compound Inequalities · 18

$-5x - 9 > 6$ or $4x - 8 > -8$

Compound Inequalities · 19

$4 < -2x - 4 < 8$

Compound Inequalities · 20

Write the compound inequality shown on the number line.



Compound Inequalities · 21

$-10 < 2x - 4 < -4$

Compound Inequalities · 22

$x + 4 < -3$ or $6x + 8 > -22$

Compound Inequalities · 23

$3 < 4x + 7 < 27$

Compound Inequalities · 24

Write the compound inequality shown on the number line.



Compound Inequalities · 18

ANSWER

$x < -3$ or $x > 0$

Compound Inequalities · 17

ANSWER

$-1 < x < 7$

Compound Inequalities · 20

ANSWER

$1 < x < 7$

Compound Inequalities · 19

ANSWER

$-6 < x < -4$

Compound Inequalities · 22

ANSWER

$x < -7$ or $x > -5$

Compound Inequalities · 21

ANSWER

$-3 < x < 0$

Compound Inequalities · 24

ANSWER

$-2 < x < 2$

Compound Inequalities · 23

ANSWER

$-1 < x < 5$