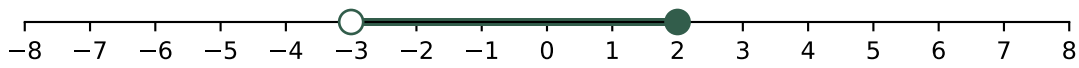
Compound Inequalities on Number Lines

REFERENCE / CASE 1

Graph -3 < x AND x <= 2. Give interval notation.

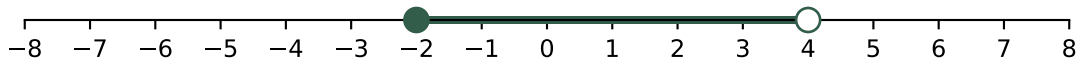


METHOD: AND means the intersection; OR means the union. Use closed endpoints only where equality is allowed. Infinity is never included.
Reference diagram supplied. Use the separate practice sheet before checking the worked answer.

Compound Inequalities on Number Lines

REFERENCE / CASE 2

Graph -2 <= x AND x < 4. Give interval notation.



METHOD: AND means the intersection; OR means the union. Use closed endpoints only where equality is allowed. Infinity is never included.
Reference diagram supplied. Use the separate practice sheet before checking the worked answer.

Compound Inequalities on Number Lines

REFERENCE / CASE 3

Graph x < 1 OR x >= 5. Give interval notation.

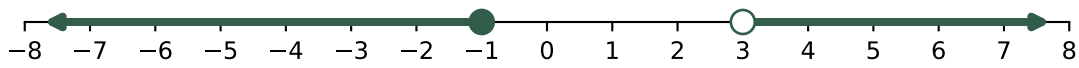


METHOD: AND means the intersection; OR means the union. Use closed endpoints only where equality is allowed. Infinity is never included.
Reference diagram supplied. Use the separate practice sheet before checking the worked answer.

Compound Inequalities on Number Lines

REFERENCE / CASE 4

Graph x <= -1 OR x > 3. Give interval notation.



METHOD: AND means the intersection; OR means the union. Use closed endpoints only where equality is allowed. Infinity is never included.
Reference diagram supplied. Use the separate practice sheet before checking the worked answer.