



Solving Inequalities



SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

1 Solve $x - 5 < 10$ [1 mark]

Answer _____

2 Solve $y + 1 > 8$ [1 mark]

Answer _____

3 Solve $3w \leq 12$ [1 mark]

Answer _____

4 Solve $2a \geq -12$ [1 mark]

Answer _____

5 Solve $\frac{t}{2} > 8$ [1 mark]

Answer _____





6 Solve $5p - 2 < 28$ [2 marks]

Answer _____

7 Solve $2q + 1 \leq 15$ [2 marks]

Answer _____

8 Solve $5r - 15 > 35$ [2 marks]

Answer _____

9 Solve $9c - 12 < 51$ [2 marks]

Answer _____

10 Solve $11 + 5d \geq 26$ [2 marks]

Answer _____





11 Solve $4(x + 3) > 20$ [2 marks]

Answer _____

12 Solve $6(y - 2) \geq 18$ [2 marks]

Answer _____

13 Solve $20 \leq 5w + 5$ [2 marks]

Answer _____

14 Solve $\frac{3y}{4} > 6$ [2 marks]

Answer _____

15 Solve $\frac{a}{3} + 2 \geq 5$ [2 marks]

Answer _____

$\frac{\quad}{20}$

Turn over ►





16

Solve $\frac{b+2}{3} < 4$

[2 marks]

Answer _____

17

Solve $7y + 5 < 2y + 35$

[3 marks]

Answer _____

18

Solve $12 < 3n < 30$

[2 marks]

Answer _____

19

Solve $8 \leq m - 3 \leq 10$

[2 marks]

Answer _____

20

Solve $1 \leq 2t - 5 \leq 11$

[3 marks]

Answer _____





21 Work out the largest integer x , for which $3x + 5 < 26$ [3 marks]

Answer _____

22 Work out the largest integer x , for which $2x - 3 < 18$ [3 marks]

Answer _____

23 Work out the largest integer x , for which $5x + 7 \leq 47$ [3 marks]

Answer _____

24 Work out the smallest integer x , for which $10x - 4 > 56$ [3 marks]

Answer _____

24

Turn over ►





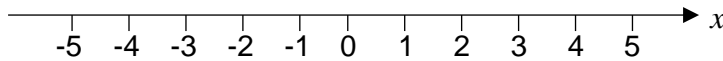
25 (a) Solve $x + 5 > 2$

[1 mark]

Answer _____

(b) Represent your answer to part (a) on the number line below.

[2 marks]



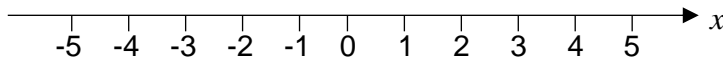
26 (a) Solve $3x + 4 < 10$

[2 marks]

Answer _____

(b) Represent your answer to part (a) on the number line below.

[2 marks]



27 (a) Solve $2x - 1 \leq -3$

[2 marks]

Answer _____

(b) Represent your answer to part (a) on the number line below.

[2 marks]

