



SCAN ME

Solving Inequalities



SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

1 Solve $x - 5 < 10$

.....
(Total for Question 1 is 1 mark)

2 Solve $y + 1 > 8$

.....
(Total for Question 2 is 1 mark)

3 Solve $3w \leq 12$

.....
(Total for Question 3 is 1 mark)

4 Solve $2a \geq -12$

.....
(Total for Question 4 is 1 mark)

5 Solve $\frac{t}{2} > 8$

.....
(Total for Question 5 is 1 mark)



6 Solve $5p - 2 < 28$

.....
(Total for Question 6 is 2 marks)

7 Solve $2q + 1 \leq 15$

.....
(Total for Question 7 is 2 marks)

8 Solve $5r - 15 > 35$

.....
(Total for Question 8 is 2 marks)

9 Solve $9c - 12 < 51$

.....
(Total for Question 9 is 2 marks)

10 Solve $11 + 5d \geq 26$

.....
(Total for Question 10 is 2 marks)



11 Solve $4(x + 3) > 20$

.....
(Total for Question 11 is 2 marks)

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

.....
(Total for Question 12 is 2 marks)

13 Solve $20 \leq 5w + 5$

.....
(Total for Question 13 is 2 marks)

14 Solve $\frac{3y}{4} > 6$

.....
(Total for Question 14 is 2 marks)

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

.....
(Total for Question 15 is 2 marks)



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

.....
(Total for Question 16 is 2 marks)

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

.....
(Total for Question 17 is 3 marks)

18 Solve $12 < 3n < 30$

.....
(Total for Question 18 is 2 marks)

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

.....
(Total for Question 19 is 2 marks)

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

.....
(Total for Question 20 is 3 marks)



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

.....
(Total for Question 21 is 3 marks)

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

.....
(Total for Question 22 is 3 marks)

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

.....
(Total for Question 23 is 3 marks)

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

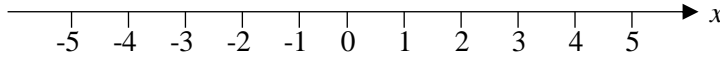
.....
(Total for Question 24 is 3 marks)



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

.....
(1)

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



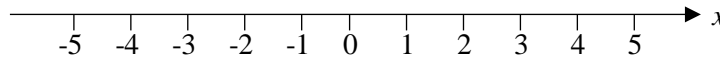
(2)

(Total for Question 25 is 3 marks)

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

.....
(2)

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



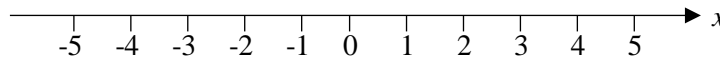
(2)

(Total for Question 26 is 4 marks)

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

.....
(2)

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



(2)

(Total for Question 27 is 4 marks)

