



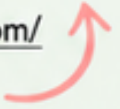
# JP Maths

## Revision



Attempt the paper  
before watching the  
solutions!

[https://www.youtube.com/  
@JPMathsRevision](https://www.youtube.com/@JPMathsRevision)



FOUNDATION / HIGHER TIER

# Solving Linear Equations



## INSTRUCTIONS

- Use **black ink** or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a  $\pi$  button, take the value of  $\pi$  to be 3.142 unless the question instructs otherwise.



## INFORMATION

- The marks for **each** question are shown in brackets– *use this as a guide as to how much time to spend on each question.*



## ADVICE

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.



*You've got this!* ❤️

1. Solve  $x + 3 = 10$

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

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2. Solve  $x - 7 = 15$

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

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3. Solve  $4x = 28$

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

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4. Solve  $\frac{x}{5} = 9$

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

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5. Solve  $2x + 3 = 17$

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

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6. Solve  $5x - 8 = 27$

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

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7. Solve  $\frac{x}{2} + 4 = 13$

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

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8. Solve  $\frac{x}{3} - 2 = 6$

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

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9. Solve  $\frac{x+5}{4} = 7$

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

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10. Solve  $\frac{x-3}{6} = 5$

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

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11. Solve  $3(x+2) = 21$

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

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12. Solve  $2(x-4) = 18$

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

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13. Solve  $5(x + 1) = 35$

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

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14. Solve  $4(x - 3) + 2 = 18$

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

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15. Solve  $3(x + 5) - 7 = 20$

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

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**16.** Solve  $\frac{2x + 1}{3} = 9$

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

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**17.** Solve  $\frac{3x - 4}{5} = 7$

.....  
(Total for Question 17 is 2 marks)

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**18.** Solve  $x + 4 = 2x - 3$

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

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**19.** Solve  $3x = x + 10$

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

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**20.** Solve  $5x - 2 = 3x + 8$

.....  
(Total for Question 20 is 2 marks)

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**21.** Solve  $7x + 4 = 5x + 18$

.....  
(Total for Question 21 is 2 marks)

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**22.** Solve  $4x - 7 = 9 + 2x$

.....  
(Total for Question 22 is 2 marks)

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**23.** Solve  $6x + 5 = 2x + 19$

.....  
(Total for Question 23 is 2 marks)

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**24.** Solve  $3x + 8 = 5x - 1$

.....  
(Total for Question 24 is 2 marks)

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**25.** Solve  $8x - 3 = 3x + 9$

.....  
(Total for Question 25 is 2 marks)

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**26.** Solve  $5x + 2 = 2x + 11.5$

.....  
(Total for Question 26 is 2 marks)

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**27.** Solve  $7x - 4 = 3x + \frac{9}{2}$

.....  
(Total for Question 27 is 2 marks)

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**28.** Solve  $3(x + 2) = 2x + 11$

.....  
(Total for Question 28 is 2 marks)

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**29.** Solve  $3x + 8 = -5x - 11$

.....  
(Total for Question 29 is 2 marks)

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**30.** Solve  $8x - 13 = -3x + 9$

.....  
(Total for Question 30 is 2 marks)

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**31.** Solve  $5 - (x - 3) = 9$

.....  
(Total for Question 31 is 2 marks)

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**32.** Solve  $12 - 2x = 4$

.....  
(Total for Question 32 is 2 marks)

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**33.** Solve  $3 - \frac{x}{2} = 7$

.....  
(Total for Question 33 is 2 marks)

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**34.** Solve  $\frac{10 - x}{3} = 2$

.....  
(Total for Question 34 is 2 marks)

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**35.** Solve  $2 - \frac{x + 1}{4} = 5$

.....  
(Total for Question 35 is 2 marks)

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**36.** Solve  $3(x - 2) = 2(x + 4)$

.....  
(Total for Question 36 is 2 marks)

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**37.** Solve  $5(2x - 1) = 3(x + 7)$

.....  
(Total for Question 37 is 2 marks)

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**38.** Solve  $4(x + 3) - 2(x - 1) = 18$

.....  
(Total for Question 38 is 2 marks)

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**39.** Solve  $3(2x - 1) + 4 = 2(x + 8)$

.....  
(Total for Question 39 is 2 marks)

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**40.** Solve  $\frac{2x + 3}{5} = \frac{x - 1}{2}$

.....  
(Total for Question 40 is 3 marks)

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