JP Maths Revision

Attempt the paper before watching the solutions!

https://www.youtube.com/@JPMathsRevision

FOUNDATION / HIGHER TIER

Factorising Single Brackets

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 π button, take the value of π 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. Factorise $2x + 6$

.....

(Total for Question 1 is 1 mark)

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2. Factorise $3x + 12$

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(Total for Question 2 is 1 mark)

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3. Factorise $8x + 20$

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(Total for Question 3 is 1 mark)

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4. Factorise $2a + 10$

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(Total for Question 4 is 1 mark)

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5. Factorise $12a - 16$

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(Total for Question 5 is 1 mark)

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6. Factorise $5x - 25$

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(Total for Question 6 is 1 mark)

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7. Factorise $12x - 30$

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(Total for Question 7 is 1 mark)

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8. Factorise $-15x - 25$

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(Total for Question 8 is 1 mark)

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9. Factorise $-14x - 21$

.....

(Total for Question 9 is 1 mark)

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10. Factorise $x^2 + x$

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(Total for Question 10 is 1 mark)

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11. Factorise $9a^2 + 3a$

.....

(Total for Question 11 is 1 mark)

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12. Factorise $6x^2 - 12x$

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(Total for Question 12 is 1 mark)

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13. Factorise $14x^2 - 28x$

.....

(Total for Question 13 is 1 mark)

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14. Factorise $2a + 6b - 10c$

.....

(Total for Question 14 is 1 mark)

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15. Factorise $24a - 28b$

.....

(Total for Question 15 is 1 mark)

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16. Factorise $ab + bc$

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(Total for Question 16 is 1 mark)

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17. Factorise $-2x - 8y$

.....

(Total for Question 17 is 1 mark)

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18. Factorise $8x^2 - 4xy$

.....

(Total for Question 18 is 1 mark)

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19. Factorise $12x^2 - 16x^3$

.....

(Total for Question 19 is 1 mark)

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20. Factorise $4p + 12pq$

.....

(Total for Question 20 is 1 mark)
