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| Year  9 | | Mathematics Test  Factorisation | | Calculator Allowed |
| Short Answer Section | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Write all working and answers in the spaces provided on this test paper. | | | |
| 1. | Factorise  ......................................................................................................................................................... | | | |
| 2. | Factorise  ......................................................................................................................................................... | | | |
| 3. | Factorise  ......................................................................................................................................................... | | | |
| 4. | Factorise  ......................................................................................................................................................... | | | |
| 5. | Factorise  ......................................................................................................................................................... | | | |
| 6. | Factorise  ......................................................................................................................................................... | | | |
| 7. | Factorise  ......................................................................................................................................................... | | | |
| 8. | Factorise  .......................................................................................................................................................... | | | |
| 9. | Factorise  ......................................................................................................................................................... | | | |
| 10. | Factorise  ......................................................................................................................................................... | | | |
| 11. | Factorise  .......................................................................................................................................................... | | | |
| 12. | Factorise  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 13. | Factorise  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 14. | Factorise  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 15. | Factorise  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |

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| Year  9 | | Mathematics Test  Factorisation | | Calculator Allowed |
| Multiple Choice Section | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Mark all your answers on the accompanying multiple choice answer sheet, not on this test paper. You may do any working out on this test paper. Calculators are allowed for this section. | | | |
| 1. | Factorise  completely.  A.  B.  C.  D. | | | |
| 2. | Which of the following is not a factorised form of  A.  B.  C.  D. | | | |
| 3. | Factorise .  A.  B.  C.  D. | | | |
| 4. | Factorise .  A.  B.  C.  D. | | | |
| 5. | Factorise .  A.  B.  C.  D. | | | |
| 6. | Factorise .  A.  B.  C.  D. | | | |
| 7. | Factorise .  A.  B.  C.  D. | | | |
| 8. | Factorise .  A.  B.  C.  D. | | | |
| 9. | Factorise  A.  B.  C.  D. | | | |
| 10. | Factorise  A.  B.  C.  D. | | | |
| 11. | Factorise  A.  B.  C.  D. | | | |
| 12. | Factorise  A.  B.  C.  D. | | | |
| 13. | Factorise  A.  B.  C.  D. | | | |
| 14. | Completely factorise  A.  B.  C.  D. | | | |
| 15. | Simplify  by first factorising.  A.  B.  C.  D. | | | |

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| Year  9 | | | Mathematics Test  Factorisation | |  |
| Longer Questions | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Write all working and answers in the spaces provided on this test paper.  Calculators are allowed for this section. | | | | |
| 1. | (a)  2  marks | Factorise  completely.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
|  | (b)  2  marks | Factorise  completely.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 2. | a)  2  marks | Simplify  by first factorising.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
|  | b)  2  marks | Simplify  by first factorising the terms.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
|  | (c)  2  marks | Simplify  by first factorising the terms.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |

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| Year  9 | Mathematics Test  Factorisation |  |
| Multiple Choice  Answer Sheet | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Completely fill the response oval representing the most correct answer.

1. A B C D

2. A B C D

3. A B C D

4. A B C D

5. A B C D

6. A B C D

7. A B C D

8. A B C D

9. A B C D

10. A B C D

11. A B C D

12. A B C D

13. A B C D

14. A B C D

15. A B C D

|  |  |
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|  | Mathematics Test  Factorisation |
| Answer Sheet |

|  |  |
| --- | --- |
| Short Answer | |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |
| 6 |  |
| 7 |  |
| 8 |  |
| 9 |  |
| 10 |  |
| 11 |  |
| 12 |  |
| 13 |  |
| 14 |  |
| 15 |  |

|  |  |
| --- | --- |
| Multiple Choice | |
| 1 | D |
| 2 | D |
| 3 | C |
| 4 | D |
| 5 | B |
| 6 | A |
| 7 | B |
| 8 | C |
| 9 | A |
| 10 | B |
| 11 | B |
| 12 | B |
| 13 | A |
| 14 | A |
| 15 | C |

|  |  |  |
| --- | --- | --- |
| Longer Answer | | |
| 1 | a |  |
|  | b |  |
| 2 | a |  |
|  | b |  |