

Mathsbase Exam Questions: Factorisation

1) Factorise $21x - 3x$ (2 marks)

Answer: _____

2) Simplify the expression: $36x - 6x$ (2 marks)

Answer: _____

3) Factorise $48x - 4x$ (3 marks)

Answer: _____

4) Simplify the expression: $54x - 9x$ (3 marks)

Answer: _____

5) Factorise $75x - 15x$ (4 marks)

Answer: _____

6) Simplify the expression: $90x - 18x$ (4 marks)

Answer: _____

7) Factorise $99x - 11x$ (5 marks)

Answer: _____

8) Simplify the expression: $112x - 28x$ (5 marks)

Answer: _____

9) Factorise $126x - 14x$ (6 marks)

Answer: _____

10) Simplify the expression: $135x - 27x$ (6 marks)

Answer: _____

11) Factorise $150x - 30x$ (7 marks)

Answer: _____

12) Simplify the expression: $162x - 54x$ (7 marks)

Answer: _____

13) Factorise $180x - 20x$ (8 marks)

Answer: _____

14) Simplify the expression: $198x - 22x$ (8 marks)

Answer: _____

15) Factorise $216x - 18x$ (9 marks) Mark Scheme: 1) $21x - 3x = 3x(7 - 1) = 18x$ (2 marks) 2) $36x - 6x = 6x(6 - 1) = 30x$ (2 marks) 3) $48x - 4x = 4x(12 - 1) = 44x$ (3 marks) 4) $54x - 9x = 9x(6 - 1) = 45x$ (3 marks) 5) $75x - 15x = 15x(5 - 1) = 60x$ (4 marks) 6) $90x - 18x = 18x(5 - 1) = 72x$ (4 marks) 7) $99x - 11x = 11x(9 - 1) = 88x$ (5 marks) 8) $112x - 28x = 28x(4 - 1) = 84x$ (5 marks) 9) $126x - 14x = 14x(9 - 1) = 112x$ (6 marks) 10) $135x - 27x = 27x(5 - 1) = 108x$ (6 marks) 11) $150x - 30x = 30x(5 - 1) = 120x$ (7 marks) 12) $162x - 54x = 54x(3 - 1) = 108x$ (7 marks) 13) $180x - 20x = 20x(9 - 1) = 160x$ (8 marks) 14) $198x - 22x = 22x(9 - 1) = 176x$ (8 marks) 15) $216x - 18x = 18x(12 - 1) = 198x$ (9 marks)

Answer: _____