

Expanding a single bracket

Grade 3 | Foundation | 12 questions, 35 marks

GCSE Maths topic practice



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Name: _____ **Date:** _____ **Score:** _____ / 35

1 Expand $3(x + 4)$ (1 mark)

Answer _____

2 Expand $7(2p - 1)$ (2 marks)

Answer _____

3 Expand $-2(x - 5)$ (2 marks)

Answer _____

4 Expand $p(p - 6)$ (2 marks)

Answer _____

5 Priya says that $(5x - 3) - (2x - 7) = 3x - 10$
Priya is wrong. Explain the mistake she has made. (1 mark)

Answer _____

6 a. Expand $4(2x - 5)$
b. Factorise $6y + 15$ (2 marks)

Answer _____

7 Expand and simplify $2(3a + 1) + 4(a + 5)$

(3 marks)

Answer _____

8 a. Sam expands $3(2x + 4)$ and gets the answer $6x + 4$
Explain the mistake Sam has made.

b. Factorise fully $12x^2 + 18x$

(3 marks)

Answer _____

9 A rectangle has a width of 4 cm and a length of $(x + 7)$ cm.

a. Write an expression for the area of the rectangle. Expand any brackets.

b. The area of the rectangle is 60 cm^2 . Work out the value of x .

(4 marks)

Answer _____

10 a. Expand and simplify $3(x + 2) + 2(x - 5)$

b. Solve $5(x - 3) = 20$

(4 marks)

Answer _____

11

- a. Expand and simplify $5(2x + 1) - 3(x - 4)$
- b. Factorise fully $18x^2 - 27x$
- c. Simplify $(p^2)^5$

(5 marks)

Answer _____

12

- a. Expand $3x(2x - 5)$
- b. Factorise fully $20a^2b - 8ab$
- c. Make x the subject of $y = 4x - 7$

(6 marks)

Answer _____

End of questions | Total 35 marks