

Expanding double brackets

Grade 5 | Foundation and Higher | 16 questions, 48 marks

GCSE Maths topic practice



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Name: _____ **Date:** _____ **Score:** _____ / 48

1 Expand and simplify $(x + 4)(x + 6)$ (2 marks)

Answer _____

2 Expand and simplify $(x - 3)(x + 8)$ (2 marks)

Answer _____

3 Expand and simplify $(x - 4)(x - 6)$ (2 marks)

Answer _____

4 Expand and simplify $(x + 7)^2$ (2 marks)

Answer _____

5 Expand and simplify $(x - 5)^2$ (2 marks)

Answer _____

6 Expand and simplify $(2x + 3)(x + 4)$ (3 marks)

Answer _____

- 7 A square has sides of length $(x + 3)$ cm.
Show that the area of the square is $(x^2 + 6x + 9)$ cm².

(3 marks)

Answer _____

- 8 Expand and simplify $(2x + 3)(3x - 1)$

(3 marks)

Answer _____

- 9 Expand and simplify $(3x - 2)(2x - 5)$

(3 marks)

Answer _____

- 10 Expand and simplify $(2x - 1)^2$

(3 marks)

Answer _____

- 11 Expand and simplify $(x + 3)(x + 4) + (x + 1)(x + 2)$

(4 marks)

Answer _____

- 12 Expand and simplify $(x + 6)(x - 2) - (x + 1)(x - 3)$

(4 marks)

Answer _____

- 13** A rectangular card measures $(x + 5)$ cm by $(x + 3)$ cm.
A square of side x cm is cut from the card.
Show that the area of card remaining is $(8x + 15)$ cm².

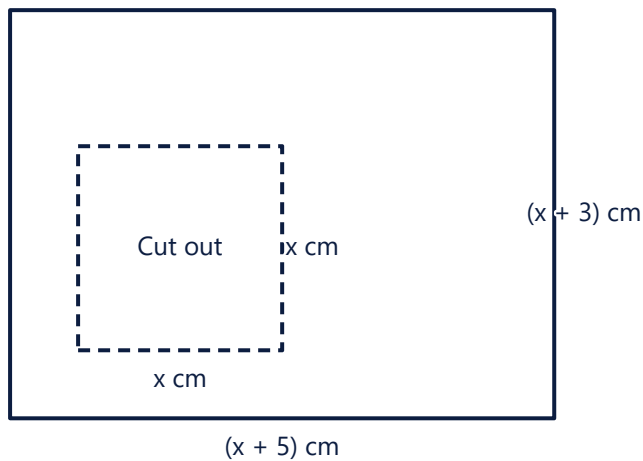


Diagram NOT accurately drawn

(3 marks)

Answer _____

- 14** a. Expand and simplify $(x + 9)(x - 2)$
b. Factorise $x^2 - 3x - 28$

(4 marks)

Answer _____

- 15** a. Expand and simplify $(2x + 3)(x - 4)$
b. Factorise fully $6y^2 + 9y$

(4 marks)

Answer _____

16

a. Expand and simplify $(y + 7)(y - 7)$

b. Factorise $x^2 + x - 30$

(4 marks)

Answer

End of questions | Total 48 marks