

Expanding triple brackets

Exit ticket **ANSWERS** Name _____

- 1 Expand and simplify $(x + 1)(x + 2)(x + 5)$

$$\underline{x^3 + 8x^2 + 17x + 10}$$

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

$$\underline{x^3 + 5x^2 - 2x - 24}$$

- 3 Kit says $(x - 1)^3 = x^3 - 1$. Find the right answer.

$$\underline{x^3 - 3x^2 + 3x - 1}$$

The Maths Habit

Expanding triple brackets

Exit ticket **ANSWERS** Name _____

- 1 Expand and simplify $(x + 1)(x + 2)(x + 5)$

$$\underline{x^3 + 8x^2 + 17x + 10}$$

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

$$\underline{x^3 + 5x^2 - 2x - 24}$$

- 3 Kit says $(x - 1)^3 = x^3 - 1$. Find the right answer.

$$\underline{x^3 - 3x^2 + 3x - 1}$$

The Maths Habit

Expanding triple brackets

Exit ticket **ANSWERS** Name _____

- 1 Expand and simplify $(x + 1)(x + 2)(x + 5)$

$$\underline{x^3 + 8x^2 + 17x + 10}$$

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

$$\underline{x^3 + 5x^2 - 2x - 24}$$

- 3 Kit says $(x - 1)^3 = x^3 - 1$. Find the right answer.

$$\underline{x^3 - 3x^2 + 3x - 1}$$

The Maths Habit

Expanding triple brackets

Exit ticket **ANSWERS** Name _____

- 1 Expand and simplify $(x + 1)(x + 2)(x + 5)$

$$\underline{x^3 + 8x^2 + 17x + 10}$$

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

$$\underline{x^3 + 5x^2 - 2x - 24}$$

- 3 Kit says $(x - 1)^3 = x^3 - 1$. Find the right answer.

$$\underline{x^3 - 3x^2 + 3x - 1}$$

The Maths Habit

Expanding triple brackets

Exit ticket **ANSWERS** Name _____

- 1 Expand and simplify $(x + 1)(x + 2)(x + 5)$

$$\underline{x^3 + 8x^2 + 17x + 10}$$

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

$$\underline{x^3 + 5x^2 - 2x - 24}$$

- 3 Kit says $(x - 1)^3 = x^3 - 1$. Find the right answer.

$$\underline{x^3 - 3x^2 + 3x - 1}$$

The Maths Habit

Expanding triple brackets

Exit ticket **ANSWERS** Name _____

- 1 Expand and simplify $(x + 1)(x + 2)(x + 5)$

$$\underline{x^3 + 8x^2 + 17x + 10}$$

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

$$\underline{x^3 + 5x^2 - 2x - 24}$$

- 3 Kit says $(x - 1)^3 = x^3 - 1$. Find the right answer.

$$\underline{x^3 - 3x^2 + 3x - 1}$$

The Maths Habit