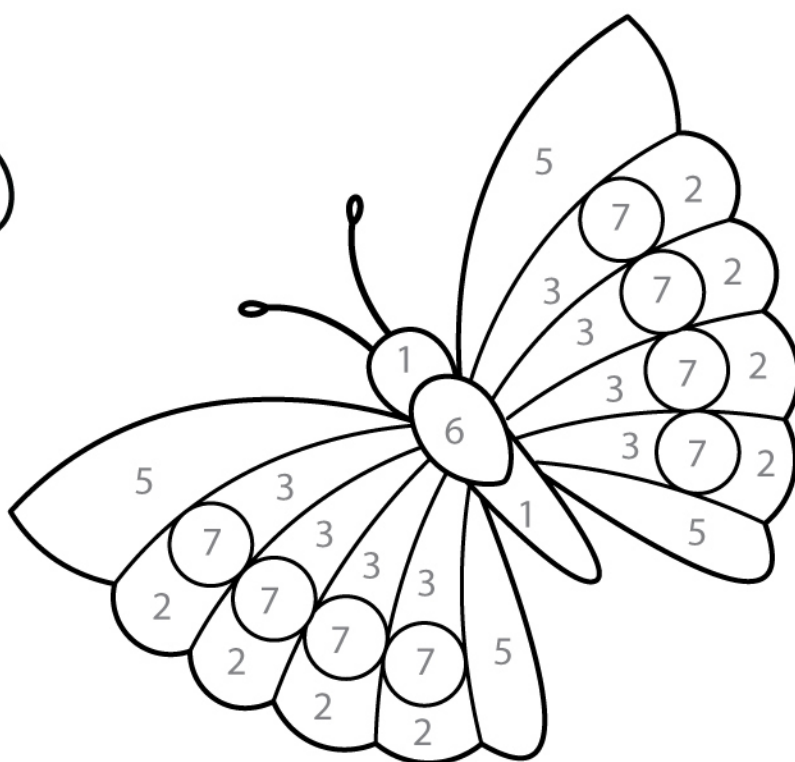
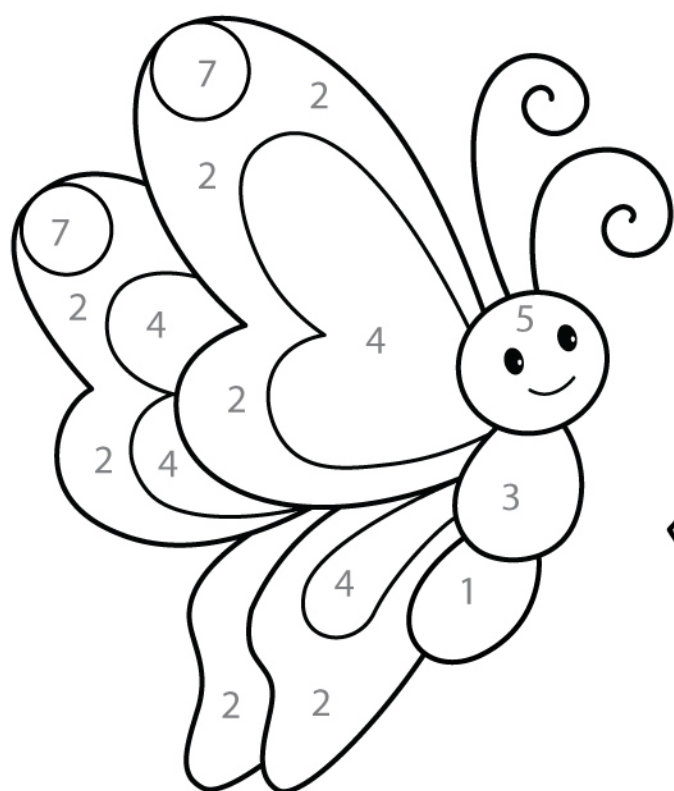


# Multiplying Binomials - Butterfly Worksheet

Multiply each binomial. Tick the correct answer and use the problem number to color the butterflies.

① $(x - 7)(8x + 3)$	a. $6x^2 - 7x - 3$ <input type="checkbox"/> Yellow	b. $8x^2 - 53x - 21$ <input type="checkbox"/> Brown	c. $x^2 - 53x + 18$ <input type="checkbox"/> Pink
② $(3x - 4)(2x - 9)$	a. $5x^2 - 7x - 90$ <input type="checkbox"/> Green	b. $18x^2 - 39x + 20$ <input type="checkbox"/> Purple	c. $6x^2 - 35x + 36$ <input type="checkbox"/> Blue
③ $(7x + 1)(7x - 1)$	a. $49x^2 - 1$ <input type="checkbox"/> Yellow	b. $42x^2 + x - 1$ <input type="checkbox"/> Gray	c. $49x^2 - 2x + 2$ <input type="checkbox"/> Light Green
④ $(9x - 5)(6x - 5)$	a. $54x^2 + 15x - 25$ <input type="checkbox"/> Red	b. $10x^2 - 3x - 7$ <input type="checkbox"/> Black	c. $54x^2 - 75x + 25$ <input type="checkbox"/> Purple
⑤ $(5x + 3y)^2$	a. $25x^2 - 30xy - 9y^2$ <input type="checkbox"/> Light Blue	b. $25x^2 + 30xy + 9y^2$ <input type="checkbox"/> Pink	c. $25x^2 + 9y^2$ <input type="checkbox"/> White
⑥ $(-x - 7)(x + 5)$	a. $-x^2 - 12x - 35$ <input type="checkbox"/> Orange	b. $x^2 + 12x + 35$ <input type="checkbox"/> Light Green	c. $-x^2 + 12x - 35$ <input type="checkbox"/> Black
⑦ $(7x - 5)(x + 3)$	a. $7x^2 + 16x - 15$ <input type="checkbox"/> Green	b. $7x^2 - 15x + 16$ <input type="checkbox"/> Red	c. $7x^2 - 16x + 9$ <input type="checkbox"/> Brown



## Answers

① $(x - 7)(8x + 3)$	a. $6x^2 - 7x - 3$ <input type="checkbox"/> Yellow	b. $8x^2 - 53x - 21$ <input checked="" type="checkbox"/> Brown	c. $x^2 - 53x + 18$ <input type="checkbox"/> Pink
② $(3x - 4)(2x - 9)$	a. $5x^2 - 7x - 90$ <input type="checkbox"/> Green	b. $18x^2 - 39x + 20$ <input type="checkbox"/> Purple	c. $6x^2 - 35x + 36$ <input checked="" type="checkbox"/> Blue
③ $(7x + 1)(7x - 1)$	a. $49x^2 - 1$ <input checked="" type="checkbox"/> Yellow	b. $42x^2 + x - 1$ <input type="checkbox"/> Gray	c. $49x^2 - 2x + 2$ <input type="checkbox"/> Light Green
④ $(9x - 5)(6x - 5)$	a. $54x^2 + 15x - 25$ <input type="checkbox"/> Red	b. $10x^2 - 3x - 7$ <input type="checkbox"/> Black	c. $54x^2 - 75x + 25$ <input checked="" type="checkbox"/> Purple
⑤ $(5x + 3y)^2$	a. $25x^2 - 30xy - 9y^2$ <input type="checkbox"/> Light Blue	b. $25x^2 + 30xy + 9y^2$ <input checked="" type="checkbox"/> Pink	c. $25x^2 + 9y^2$ <input type="checkbox"/> White
⑥ $(-x - 7)(x + 5)$	a. $-x^2 - 12x - 35$ <input checked="" type="checkbox"/> Orange	b. $x^2 + 12x + 35$ <input type="checkbox"/> Light Green	c. $-x^2 + 12x - 35$ <input type="checkbox"/> Black
⑦ $(7x - 5)(x + 3)$	a. $7x^2 + 16x - 15$ <input checked="" type="checkbox"/> Green	b. $7x^2 - 15x + 16$ <input type="checkbox"/> Red	c. $7x^2 - 16x + 9$ <input type="checkbox"/> Brown

