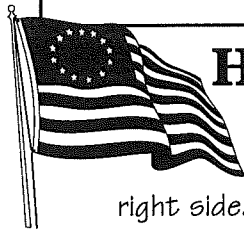


**PARTNER A (left side)**

**TEAM NAME**

**PARTNER B (right side)**



# How Did Betsy Ross Know What Colors People Really Wanted for the New National Banner?

Simplify each expression. Partner A should do the left side and Partner B the right side. After completing each set, find matching answers. One will have a letter and the other a number. Write the letter in the matching numbered box at the bottom of the page.

**SET 1**

**O.**  $2y + 5(x + 4) + 6x$

**L.**  $9x + 8 + 3(x + y)$

**A.**  $10 + 3(2 + x) + 12(x + y)$

**E.**  $4(x + y) + y + 2(y + 5) + 6x$

**SET 1**

**15.**  $3y + 4(x + 2) + 8x$

**3.**  $3x + 10 + 7(x + y)$

**5.**  $11 + 9(1 + x) + 2(x + y)$

**8.**  $3(x + y) + y + 8(y + 2) + 12x$

**SET 2**

**O.**  $4n^2 + 7n + 5n^2 + 9n + 8$

**A.**  $6n^2 + n + 15 + 3n^2 + 12n + 5$

**K.**  $10 + 3n + n^2 + 8n + 9n^2 + 2n$

**S.**  $5n + 8 + 4n^2 + 4n + 1 + 6n^2 + n$

**SET 2**

**7.**  $8n^2 + 4n + 2n^2 + 9n + 10$

**1.**  $3n^2 + n + 4 + 7n^2 + 9n + 5$

**11.**  $20 + 8n + n^2 + 3n + 8n^2 + 2n$

**14.**  $10n + 7 + 5n^2 + 5n + 1 + 4n^2 + n$

**SET 3**

**F.**  $5(2w + 3) + 6w$

**O.**  $w + 4(7w + 1) + 24$

**H.**  $2(6w + 5) + 9(2w + 2)$

**L.**  $10(8 + w) + 11w + 3(4 + 3w)$

**SET 3**

**2.**  $7(3w + 4) + 9w$

**9.**  $w + 3(5w + 1) + 12$

**16.**  $9(2w + 8) + 4(3w + 5)$

**6.**  $6(3 + w) + 3w + 5(4w + 2)$

**SET 4**

**G.**  $9a^3 + 2a^2 + 6a + 7a^2 + a$

**T.**  $5a^2 + 9ab + 4b^2 + 5a^2 + b^2$

**L.**  $6a^3 + a^2 + 5a + 2a^3 + 4a^2 + 3a$

**P.**  $2a^2 + 8ab + 3b^2 + 6a^2 + ab + 4b^2$

**SET 4**

**10.**  $8a^3 + 3a^2 + 7a + 2a^2 + a$

**13.**  $4a^2 + 9ab + 6b^2 + 4a^2 + b^2$

**12.**  $2a^3 + a^2 + 5a + 7a^3 + 8a^2 + 2a$

**4.**  $3a^2 + 8ab + 3b^2 + 7a^2 + ab + 2b^2$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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