

MODULE 3
Lesson 4: Writing Products as Sums and Sums as Products
(Exit Ticket)

I. **Direction:** Use the Distributive Property to find each product.

1. $7(b + 3) = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

2. $6(a - 2) = \underline{\hspace{1cm}} - \underline{\hspace{1cm}}$

3. $9(3y + 5) = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

4. $8(10m - 3n) = \underline{\hspace{1cm}} - \underline{\hspace{1cm}}$

5. $4(7p + 5q) = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

II. **Direction:** Write each expression as the product of two factors.

1. $3 \times 9 + 2 \times 9 = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

2. $4 \times 8 - 7 \times 4 = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} - \underline{\hspace{1cm}})$

3. $10a + 10b = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

4. $5d - d = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} - \underline{\hspace{1cm}})$

5. $(12 + 5) + (12 + 5) + (12 + 5) = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

6. $(5 - 3) + (5 - 3) + (5 - 3) = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} - \underline{\hspace{1cm}})$

7. $(3m + 2n) + (3m + 2n) + (3m + 2n) = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

8. $(7x - y) + (7x - y) + (7x - y) = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} - \underline{\hspace{1cm}})$

III. **Direction:** Rewrite the expression as a product of two factors.

1. $6y + 9 = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

2. $7x - 21y = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} - \underline{\hspace{1cm}})$

3. $12 + 18h = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

4. $10n + 20m = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

5. $9a - 9b = \underline{\hspace{1cm}} (\underline{\hspace{1cm}} - \underline{\hspace{1cm}})$