

**Add, Subtract, and Multiply Matrices - Matching Worksheet**

Write the letter of the answer that matches the problem.

1. Fill in the missing number.

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$$\begin{bmatrix} 9 & 6 \\ 4 & 1 \end{bmatrix} + \begin{bmatrix} 4 & 2 \\ 2 & 3 \end{bmatrix} = \begin{bmatrix} ? & 8 \\ 6 & 4 \end{bmatrix}$$

a. 7

2. What is the missing number?

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$$\begin{bmatrix} 12 & 9 \\ 17 & 8 \end{bmatrix} + \begin{bmatrix} 4 & 8 \\ 8 & 13 \end{bmatrix} = \begin{bmatrix} ? & 17 \\ 25 & 21 \end{bmatrix}$$

b. 16

3. Find the missing number.

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$$\begin{bmatrix} 10 & 9 \\ 12 & 8 \end{bmatrix} + \begin{bmatrix} 5 & 2 \\ 17 & 6 \end{bmatrix} = \begin{bmatrix} ? & 11 \\ 29 & 14 \end{bmatrix}$$

c. 12

4. What is the missing number?

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$$\begin{bmatrix} 50 & 85 \\ 62 & 41 \end{bmatrix} - \begin{bmatrix} 38 & 15 \\ 10 & 9 \end{bmatrix} = \begin{bmatrix} ? & 70 \\ 52 & 32 \end{bmatrix}$$

d. 13

5. Fill in the missing number.

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$$\begin{bmatrix} 32 & 15 \\ 40 & 9 \end{bmatrix} - \begin{bmatrix} 15 & 5 \\ 18 & 2 \end{bmatrix} = \begin{bmatrix} ? & 10 \\ 22 & 7 \end{bmatrix}$$

e. 17

6. Find the missing number.

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$$\begin{bmatrix} 16 & 62 \\ 4 & 6 \end{bmatrix} - \begin{bmatrix} 9 & 18 \\ 1 & 3 \end{bmatrix} = \begin{bmatrix} ? & 44 \\ 3 & 3 \end{bmatrix}$$

f. 108

7. What is the missing number?

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$$\begin{bmatrix} 9 & 7 \\ 9 & 4 \end{bmatrix} \times \begin{bmatrix} 2 & 8 \\ 8 & 7 \end{bmatrix} = \begin{bmatrix} ? & 121 \\ 50 & 100 \end{bmatrix}$$

g. 15

8. Fill in the missing number.

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$$\begin{bmatrix} 12 & 6 \\ 9 & 4 \end{bmatrix} \times \begin{bmatrix} 9 & 3 \\ 4 & 2 \end{bmatrix} = \begin{bmatrix} ? & 48 \\ 97 & 35 \end{bmatrix}$$

h. 18

