

Name _____

Date _____

Multiply Matrices by Scalars to Produce New Matrices - Independent Practice Worksheet

Complete all the problems.

1. Calculate the missing number.

$$2 \begin{bmatrix} 6 \\ 2 \end{bmatrix} = \begin{bmatrix} 12 \\ ? \end{bmatrix}$$

2. What is the missing number?

$$3 \begin{bmatrix} 3 \\ 4 \end{bmatrix} = \begin{bmatrix} 9 \\ ? \end{bmatrix}$$

3. Find the missing number.

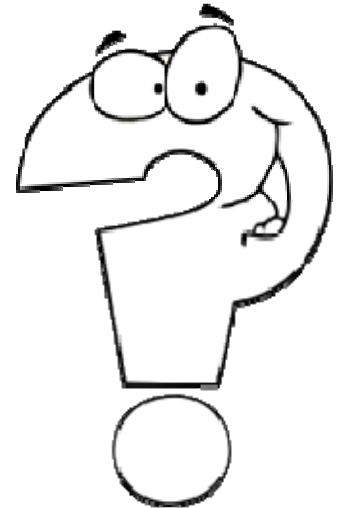
$$5 \begin{bmatrix} 6 \\ 10 \end{bmatrix} = \begin{bmatrix} 30 \\ ? \end{bmatrix}$$

4. Calculate the missing number.

$$7 \begin{bmatrix} 2 \\ 5 \end{bmatrix} = \begin{bmatrix} 14 \\ ? \end{bmatrix}$$

5. What is the missing number?

$$10 \begin{bmatrix} 8 \\ 2 \end{bmatrix} = \begin{bmatrix} 80 \\ ? \end{bmatrix}$$



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6. Find the missing number.

$$3 \begin{bmatrix} 6 \\ 8 \end{bmatrix} = \begin{bmatrix} 18 \\ ? \end{bmatrix}$$

7. Calculate the missing number.

$$11 \begin{bmatrix} 8 \\ 1 \end{bmatrix} = \begin{bmatrix} 88 \\ ? \end{bmatrix}$$

8. What is the missing number?

$$4 \begin{bmatrix} 8 \\ 5 \end{bmatrix} = \begin{bmatrix} 32 \\ ? \end{bmatrix}$$

9. Find the missing number to complete the second matrix.

$$17 \begin{bmatrix} 2 \\ 5 \end{bmatrix} = \begin{bmatrix} 34 \\ ? \end{bmatrix}$$

10. What is the missing number?

$$20 \begin{bmatrix} 5 \\ 1 \end{bmatrix} = \begin{bmatrix} 100 \\ ? \end{bmatrix}$$

