

# Homework

Find each product by factoring the tens. Draw rectangles if you need to.

1.  $6 \times 2$ ,  $6 \times 20$ , and  $6 \times 200$

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2.  $4 \times 8$ ,  $4 \times 80$ , and  $4 \times 800$

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3.  $5 \times 5$ ,  $5 \times 50$ , and  $5 \times 500$

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4.  $5 \times 9$ ,  $50 \times 9$ , and  $500 \times 9$

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5.  $6 \times 5$ ,  $60 \times 5$ , and  $60 \times 50$

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6.  $7 \times 6$ ,  $70 \times 6$ , and  $70 \times 60$

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On a sheet of grid paper, draw two different arrays of connected squares for each total. Label the sides and write the multiplication equation for each of your arrays.

7. 18 squares

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8. 20 squares

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9. 24 squares

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## Remembering

Add or subtract.

$$\begin{array}{r} 1. \quad 2,728 \\ + 7,245 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 83,054 \\ + 1,496 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 27,300 \\ - 9,638 \\ \hline \end{array}$$

Use any method to add.

$$\begin{array}{r} 4. \quad 4,335 \\ + 2,694 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 3,806 \\ + 8,129 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 6,401 \\ + 7,763 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 9,826 \\ + 8,531 \\ \hline \end{array}$$

Solve each problem.

8.  $10 \times \underline{\hspace{2cm}} = 6 \text{ tens}$

9.  $10 \times 9 = \underline{\hspace{2cm}}$

10.  $\underline{\hspace{2cm}} \times 10 = 2 \text{ tens}$

11.  $\underline{\hspace{2cm}} \times 10 = 5 \text{ tens}$

12.  $10 \times 4 \text{ tens} = \underline{\hspace{2cm}}$

13.  $10 \times \underline{\hspace{2cm}} = 7 \text{ hundreds}$

14.  $10 \times \underline{\hspace{2cm}} = 8 \text{ tens}$

15.  $\underline{\hspace{2cm}} \times 10 = 3 \text{ tens}$

16. **Stretch Your Thinking** Lucas says that since  $40 \times 70$  and  $60 \times 50$  both have factors with a total of two zeros, they will both have products with a total of two zeros. Is he correct? Explain.

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