## 8 as a Factor

You can double a 4s fact to multiply with 8 .

| 8s Facts |  | Find $8 \times 6$. |
| :---: | :---: | :---: |
| $8 \times 0=0$ | $8 \times 5=40$ | a. Find $4 \times 6=24$. <br> b. Add the product to itself: $24+24=48$ $\circ \circ \circ \circ \circ \circ$ |
| $8 \times 1=8$ | $8 \times 6=48$ |  |
| $8 \times 2=16$ | $8 \times 7=56$ |  |
| $8 \times 3=24$ | $8 \times 8=64$ | $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ |
| $8 \times 4=32$ | $8 \times 9=72$ | $000000 \quad 24+24=48$ |
|  |  | $\left.\begin{array}{llllll} \circ & 0 & \circ & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right\} 4 \times 6=24$ |
|  |  | So, $8 \times 6=48$. |

Find $8 \times 6$.
a. Find $4 \times 6=24$.
b. Add the product to itself: $24+24=48$

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$\left.\begin{array}{llllll}\left.\begin{array}{lllll}0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0\end{array}\right\} 4 \times 6=24\end{array}\right\} 4$

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24+24=48
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$\left.\begin{array}{lllllll}0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0\end{array}\right\} 4 \times 6=24$
So, $8 \times 6=48$.

Find each product.

1. $2 \times 8$
2. $4 \times 8$
3. $8 \times 5$
4. $7 \times 8$
5. $8 \times 8$
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$\qquad$
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6. $0 \times 8$
7. $6 \times 7$
8. $9 \times 8$
9. $1 \times 8$
10. $6 \times 8$
$\qquad$
11. A gallon is equal to 8 pints. How many pints are in 5 gallons?
$\qquad$
12. Writing to Explain How can you use 4s facts to find $7 \times 8$ ? Give the product in your explanation.
