

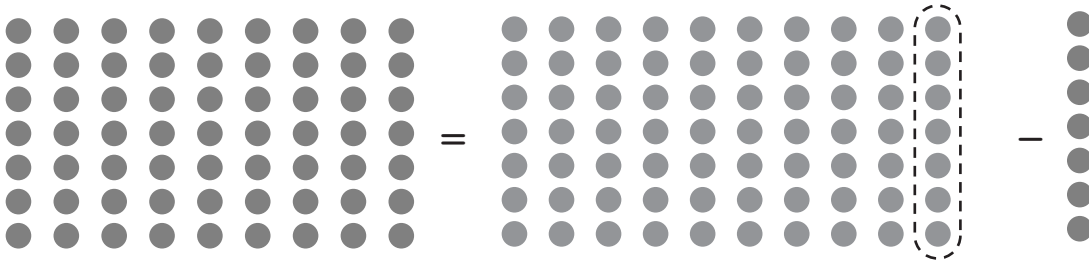
## Lesson 5 Reteach

### Multiply by 9

Here is a strategy you can use when multiplying by 9.

You can multiply the number by 10 and then subtract the number to find a new fact.

Find  $7 \times 9$ .



$$\begin{array}{rcl}
 7 \text{ groups of } 9 & = & 7 \text{ groups of } 10 & \text{minus} & 1 \text{ group of } 7 \\
 7 \times 9 & = & 7 \times 10 & - & 1 \times 7 \\
 & = & 70 & - & 7 \\
 & = & 63 & & \\
 & & \text{So, } 7 \times 9 = 63. & & 
 \end{array}$$

Multiply. Use models or a known fact if needed.

$$\begin{array}{r}
 1. \quad 9 \\
 \times 4 \\
 \hline
 36
 \end{array}$$

$$\begin{array}{r}
 2. \quad 9 \\
 \times 5 \\
 \hline
 45
 \end{array}$$

$$\begin{array}{r}
 3. \quad 3 \\
 \times 9 \\
 \hline
 27
 \end{array}$$

$$\begin{array}{r}
 4. \quad 9 \\
 \times 7 \\
 \hline
 63
 \end{array}$$

$$\begin{array}{r}
 5. \quad 9 \\
 \times 8 \\
 \hline
 72
 \end{array}$$

$$\begin{array}{r}
 6. \quad 6 \\
 \times 9 \\
 \hline
 54
 \end{array}$$

$$7. \quad 9 \times 2 = \underline{18}$$

$$8. \quad 5 \times 9 = \underline{45}$$

$$9. \quad 9 \times 4 = \underline{36}$$

$$10. \quad 6 \times 9 = \underline{54}$$

$$11. \quad 9 \times 3 = \underline{27}$$

$$12. \quad 9 \times 1 = \underline{9}$$

$$13. \quad 9 \times 9 = \underline{81}$$

$$14. \quad 9 \times 0 = \underline{0}$$

$$15. \quad 9 \times 11 = \underline{99}$$

$$16. \quad 2 \times 9 = \underline{18}$$

$$17. \quad 10 \times 9 = \underline{90}$$

$$18. \quad 3 \times 9 = \underline{27}$$