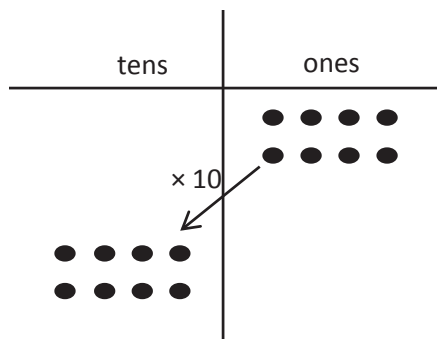


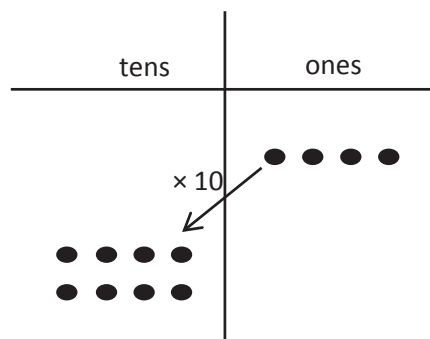
Name \_\_\_\_\_

Date \_\_\_\_\_

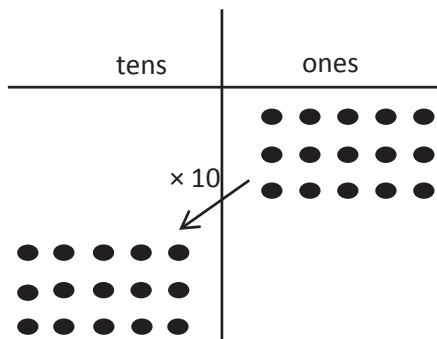
1. Use the chart to complete the equations. Then, solve. The first one has been done for you.



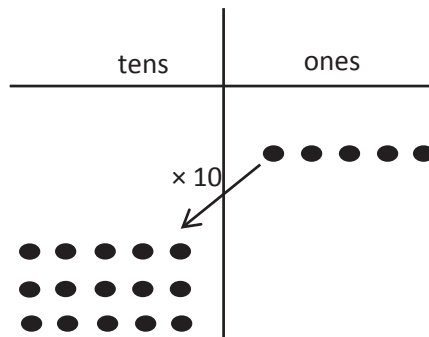
a.  $(2 \times 4) \times 10$   
 $= (8 \text{ ones}) \times 10$   
 $= \underline{80}$



b.  $2 \times (4 \times 10)$   
 $= 2 \times (4 \text{ tens})$   
 $= \underline{\hspace{2cm}}$



c.  $(3 \times 5) \times 10$   
 $= (\underline{\hspace{1cm}} \text{ ones}) \times 10$   
 $= \underline{\hspace{2cm}}$



d.  $3 \times (5 \times 10)$   
 $= 3 \times (\underline{\hspace{1cm}} \text{ tens})$   
 $= \underline{\hspace{2cm}}$

2. Place parentheses in the equations to find the related fact. Then, solve. The first one has been done for you.

$$\begin{aligned}
 2 \times 20 &= 2 \times (2 \times 10) \\
 &= (2 \times 2) \times 10 \\
 &= \underline{4} \times 10 \\
 &= \underline{40}
 \end{aligned}$$

$$\begin{aligned}
 2 \times 30 &= 2 \times (3 \times 10) \\
 &= (2 \times 3) \times 10 \\
 &= \underline{\quad\quad} \times 10 \\
 &= \underline{\quad\quad}
 \end{aligned}$$

$$\begin{aligned}
 3 \times 30 &= 3 \times (3 \times 10) \\
 &= 3 \times 3 \times 10 \\
 &= \underline{\quad\quad} \times 10 \\
 &= \underline{\quad\quad}
 \end{aligned}$$

$$\begin{aligned}
 2 \times 50 &= 2 \times 5 \times 10 \\
 &= 2 \times 5 \times 10 \\
 &= \underline{\quad\quad} \times 10 \\
 &= \underline{\quad\quad}
 \end{aligned}$$

3. Gabriella solves  $20 \times 4$  by thinking about  $10 \times 8$ . Explain her strategy.