

*Written Answers
may vary

3. Solve. Use words, numbers, or pictures to explain how your answers to Parts (a) and (b) are related.

a. $45 \times 30 =$ _____

b. $4.5 \times 30 =$ 45 tenths $\times 30 =$ 1350 tenths

$(40 \times 30) + (5 \times 30)$

$1200 + 150 = 1350$

They are related because you use the same digits, but rename the unit to solve, then shift place value.

4. Multiply using the standard algorithm. Show your work below each problem. Write the product in the blank.

a. $604 \times 33 =$ 19,932

$$\begin{array}{r} 604 \\ \times 33 \\ \hline 1812 \\ + 18120 \\ \hline 19932 \end{array}$$

b. $645 \times 405 =$ 261,225

$$\begin{array}{r} 645 \\ \times 405 \\ \hline 3225 \\ 0000 \\ + 258000 \\ \hline 261225 \end{array}$$

5. For a field trip, the school bought 45 sandwiches for \$6.60 each and 38 bags of chips for \$1.25 each. How much did the school spend in all?

⑤ 660 hundredths

$$\begin{array}{r} 660 \\ \times 45 \\ \hline 3300 \\ 26400 \\ \hline 29700 \text{ hundredths} \\ = \$297.00 \end{array}$$

① 125 hundredths

$$\begin{array}{r} 125 \\ \times 38 \\ \hline 1000 \\ + 3750 \\ \hline 4750 \text{ hundredths} \\ = \$47.50 \end{array}$$

\$297.00
+ 47.50
\$344.50

The school spent \$344.50.