*Written answers may vary

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

a. $45 \times 30 =$ __1,350__

b. $4.5 \times 30 =$ __45__ tenths $\times 30 =$ __135__

$$\begin{array}{r} 45 \text{ ones} \\ \times 30 \\ \hline 1,350 \end{array}$$

$$\begin{array}{r} 45 \text{ tenths} \\ \times 30 \\ \hline 1,350 \text{ tenths} \end{array}$$

45 ones are 10 times bigger than 45 tenths. Therefore the answer to 45×30 will be 10 times bigger than 4.5×30.

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

a. $604 \times 33 =$ __19,932__

$$\begin{array}{r} 604 \\ \times \quad 33 \\ \hline 1812 \\ 18120 \\ \hline 19,932 \end{array}$$

b. $645 \times 405 =$ __261,225__

$$\begin{array}{r} 645 \\ \times 405 \\ \hline 3225 \\ 0000 \\ + 258000 \\ \hline 261,225 \end{array}$$

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?

Sandwiches
$$\begin{array}{r} \$6.60 \\ \times 45 \\ \hline 3360 \\ + 26400 \\ \hline \$297.00 \end{array}$$

chips
$$\begin{array}{r} \$1.25 \\ \times 38 \\ \hline 1000 \\ + 3750 \\ \hline \$47.50 \end{array}$$

$$\begin{array}{r} 297.00 \text{ Sandwiches} \\ + 47.50 \text{ chips} \\ \hline \$344.50 \text{ Total} \end{array}$$