

Distributive Property Word Problems

The **distributive property** is a tool to make multiplication with larger numbers easier.

To use the distributive property:
Break one factor into two addends,
multiply both addends by the other
factor, and add together both products.

Break up
the bigger
number
into two
addends

$$\begin{aligned}
 &16 \times 5 \\
 &\swarrow \\
 &(10 + 6) \times 5 \\
 &(10 \times 5) + (6 \times 5) \\
 &50 + 30 = 80
 \end{aligned}$$

$$16 \times 5 = 80$$



Directions: Solve each problem below using the distributive property. Show your work.

- | | |
|--|--|
| <p>1. Shanna made popsicles on a hot summer day. She made 8 trays of popsicles. Each tray makes 16 popsicles. How many popsicles did she make?</p> | <p>2. Saijeen sold 12 cups of lemonade each hour at her lemonade stand. She was outside for a total of 4 hours. How many cups of lemonade did she sell?</p> |
| <p>3. There are 14 crackers in each package. If the family brought 6 packages on the road trip, how many crackers did they have?</p> | <p>4. Jeremy gets french fries everyday for lunch at school. If he eats 26 french fries each day, how many fries does he eat in a school week?</p> |
| <p>5. The soccer league is holding 5 camps this summer. There will be 15 players in each camp. How many players will attend soccer camp this summer?</p> | <p>6. The chef needed eggs for the new meal on the menu. Each egg carton has 18 eggs. She ordered 9 cartons of eggs. How many eggs did the chef need for her special meal?</p> |