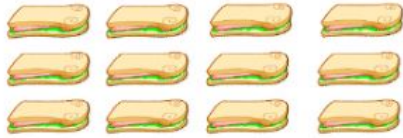


- I. Use the arrays to find the products. Write an addition sentence and a multiplication sentence for each array. (3 points)**





- II. Solve. (9 points)**

$4 \times 4 = \underline{\hspace{2cm}}$

$6 \times 9 = \underline{\hspace{2cm}}$

$7 \times 8 = \underline{\hspace{2cm}}$

$8 \times 5 = \underline{\hspace{2cm}}$

$6 \times 8 = \underline{\hspace{2cm}}$

$5 \times 4 = \underline{\hspace{2cm}}$

$9 \times 3 = \underline{\hspace{2cm}}$

$4 \times 9 = \underline{\hspace{2cm}}$

$6 \times 6 = \underline{\hspace{2cm}}$

- III. Find the missing numbers in the following number sentences. (8 points)**

$12 \times \square = 0$

$6 \times 4 = 8 \times \square$

$5 \times 8 = 4 \times \square$

$2 \times 6 = 3 \times \square$

$10 \times \square = 50$

$6 \times 5 = 10 \times \square$

$4 \times 4 = 2 \times \square$

$2 \times 5 = 10 \times \square$

IV. Find each product. Multiply factors in parenthesis first. (4 points)

$$(2 \times 3) \times 8 = \underline{\hspace{2cm}}$$

$$2 \times (9 \times 0) \underline{\hspace{2cm}}$$

$$(2 \times 4) \times 9 = \underline{\hspace{2cm}}$$

$$5 \times (2 \times 1) \underline{\hspace{2cm}}$$

V. Solve the following problems.

1. Miss Mirna bought four egg cartons. Each carton had 6 eggs. How many eggs did she buy in all? (1 point)

- a. If two of the eggs were bad, how many good eggs will she have left? (1 point)

2. Grade four students ordered 7 pizzas for a class party. Each pizza is divided into 6 pieces. How many pieces were there in all? (2 points)

VI. Mixed Applications. Add or Subtract. (1 point each)

$$\begin{array}{r} 237 \\ + 459 \\ \hline \end{array}$$

$$\begin{array}{r} 945 \\ - 238 \\ \hline \end{array}$$