

Name _____

Date _____

1. Draw an area model, and then solve using the standard algorithm. Use arrows to match the partial products from your area model to the partial products in the algorithm.

a. $27 \times 36 =$ _____

	20	7	
6	120	42	$\rightarrow 162$
30	600	210	$\rightarrow 810$

$$\begin{array}{r} 27 \\ \times 36 \\ \hline 162 \\ + 810 \\ \hline 972 \end{array}$$

b. $527 \times 36 =$ _____

	500	20	7	
6	3000	120	42	$\rightarrow 3162$
30	15000	600	210	$\rightarrow 15810$

$$\begin{array}{r} 527 \\ \times 36 \\ \hline 3162 \\ + 15810 \\ \hline 18972 \end{array}$$

2. Solve using the standard algorithm.

a. 649×53

$$\begin{array}{r} 649 \\ \times 53 \\ \hline 1947 \\ 32450 \\ \hline 34397 \end{array}$$

34,397

b. 496×53

$$\begin{array}{r} 496 \\ \times 53 \\ \hline 1488 \\ 24800 \\ \hline 26288 \end{array}$$

26,288

c. 758×46

$$\begin{array}{r} 758 \\ \times 46 \\ \hline 4548 \\ + 30320 \\ \hline 34868 \end{array}$$

34,868

d. 529×48

$$\begin{array}{r} 529 \\ \times 48 \\ \hline 4232 \\ + 21160 \\ \hline 25392 \end{array}$$

25,392

3. Each of the 25 students in Mr. McDonald’s class sold 16 raffle tickets. If each ticket cost \$15, how much money did Mr. McDonald’s students raise?

$$\begin{array}{r} 25 \\ \times 16 \\ \hline 150 \\ 250 \\ \hline 400 \end{array}$$

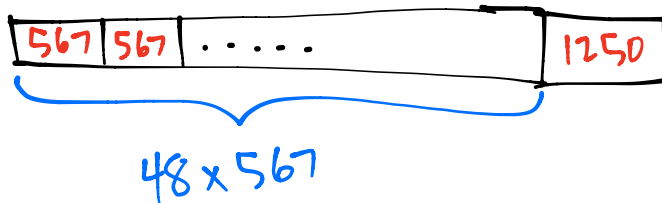
→ 400 tickets

$$\begin{array}{r} 400 \\ \times 15 \\ \hline 6000 \end{array} \quad \left. \begin{array}{r} 15 \\ \times 4 \\ \hline 60 \end{array} \right\}$$

\$6,000

4. Jayson buys a car and pays by installments. Each installment is \$567 per month. After 48 months, Jayson owes \$1250. What was the total price of the vehicle?

$$\begin{array}{r} 567 \\ \times 48 \\ \hline 4536 \\ 22680 \\ \hline 27216 \end{array}$$



$$\begin{array}{r} 27216 \\ + 1250 \\ \hline 28466 \end{array}$$

\$28,466