

Word Problems (Multiplication)

Solve the following word problems.

1. Cayla's school has 258 students. Janet's school has 3 times as many students as Cayla's. How many students are in Janet's school?

2. A restaurant sells 1,725 pounds of spaghetti and 925 pounds of linguini every month. After 9 months, how many pounds of pasta does the restaurant sell?

3. The monthly school newspaper is 9 pages long. Mrs. Smith needs to print 675 copies. What will be the total number of pages printed?

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1. Cayla's school has 258 students. Janet's school has 3 times as many students as Cayla's. How many students are in Janet's school?

C $\boxed{258}$
J $\underbrace{\boxed{\quad} \boxed{\quad} \boxed{\quad}}_{?}$

$$\begin{array}{r} 258 \\ \times 3 \\ \hline 24 \\ 150 \\ + 600 \\ \hline 774 \end{array}$$

There are 774 students at Janet's school.

2. A restaurant sells 1,725 pounds of spaghetti and 925 pounds of linguini every month. After 9 months, how many pounds of pasta does the restaurant sell?

$$\begin{array}{r} 1,725 \\ + 925 \\ \hline 2,650 \end{array}$$

9

2,000	600	50
18,000	5,400	450

$$(9 \times 2,000) + (9 \times 600) + (9 \times 50)$$
$$18,000 + 5,400 + 450 = 23,850$$

The restaurant sells 23,850 pounds of pasta in 9 months.

3. The monthly school newspaper is 9 pages long. Mrs. Smith needs to print 675 copies. What will be the total number of pages printed?

$$675 \times 9 = 6,075 \text{ pages}$$

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