

Name: Class:

Multiplying Three or More Numbers Word Problems

a.

A 3-car (section) train leaves the station each morning and returns each evening.
If it carries 121 passengers per car on each trip, How many passengers will board this train per day?

b.

In Riley's school, tables per class are placed in 6 rows and 6 columns.
If there are 2 children on each table, how many pupils can the school admit into grade 1 to 6

c.

In Mr. Smith's house, there are 7 windows in each apartment.
Given that there are 3 apartments in each of the 6 floors, how many windows are there in Mr. Smith's house?

d.

A group of 27 friends agreed to organize an end-of-year party.
Assuming they each quoted \$7 a week for 18 weeks.

How much money did they save for their party?

e.

A 5-car (section) train leaves the station each morning and returns each evening.
If it carries 128 passengers per car on each trip, How many passengers will board this train per week?

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- a. Number of cars (sections) in the train = 3 cars
 Number of trip per day = 2 trips.
 Number of passengers per car (section) in a train = 121 passengers.
 Total number of passengers in a train each morning =
 number of passengers on each cars x numbers of cars.

$$121 \times 3 = ?$$

$$\begin{array}{r} 121 \\ \times \quad 3 \\ \hline 363 \end{array}$$

- Number of passenger boarding on this train per day =
 Total number of passengers in a train each morning x 2

$$\begin{array}{r} 363 \\ \times \quad 2 \\ \hline 726 \end{array}$$

So, a total number of 726 passengers board on the train per day.

- b. The school will admit 432 pupils since there are 216 tables in grades 1 to 6 (1, 2, 3, 4, 5 and 6).

- c. There are 126 windows In Mr. Smith's house.

- d. They saved \$3,402 for the party in 18 weeks.

- e. A total number of 8,960 passengers board on this train in a week.