

Name: Class:



Multiply three numbers or more : Word problems



1. It is Tracy's friend's Birthday party. To support her, Tracy's Mum has prepared **6 big trays of sandwich**. In each tray, there are **17 rows of sandwich**. If each row has **29 sandwiches**, how many sandwiches has Tracy's mother prepared ?
2. An office building has **17 floors**. Each floor has **16 rooms** and in each room there are **2 doors**. How many doors are there in **10** of such office buildings ?
3. Everyday, a Chef has to prepare **10 dishes** for **50 guests** lodging in a five star Hotel. He has to prepare **10 dishes** for breakfast, lunch and dinner. Each dish costs **\$ 500**. Provided all the guests eats all the **10 dishes 3 times** per day, how much money is the Hotel going to earn in **20 days** ?

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1. It is Tracy's friend's Birthday party. To support her, Tracy's Mum has prepared **6 big trays of sandwich**. In each tray, there are **17 rows of sandwich**. If each row has **29 sandwiches**, how many sandwiches has Tracy's mother prepared ?

- ▶ Number of trays: **6**
- ▶ Number of rows in each tray: **17**
- ▶ Number of sandwiches in each row: **29**

Multiplication

$\begin{array}{r} 17 \\ \times 6 \\ \hline 102 \end{array}$	$\begin{array}{r} 102 \\ \times 29 \\ \hline 918 \\ + 2,040 \\ \hline 2,958 \end{array}$
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Tracy's Mum prepared **2,958 sandwiches**.

2. An office building has **17 floors**. Each floor has **16 rooms** and in each room there are **2 doors**. How many doors are there in **10** of such office buildings ?

- ▶ Number of buildings: **10**
- ▶ Floors in each building: **17**
- ▶ Rooms in each building: **16**
- ▶ Doors in each room: **2**

Multiplication

$\begin{array}{r} 10 \\ \times 17 \\ \hline 170 \end{array}$	$\begin{array}{r} 1,70 \\ \times 16 \\ \hline 10,20 \\ + 1,700 \\ \hline 2,720 \end{array}$	$\begin{array}{r} 2,720 \\ \times 2 \\ \hline 5,440 \end{array}$
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There are **5,440 doors** in 10 of such office buildings.

3. Everyday, a Chef has to prepare **10 dishes** for **50 guests** lodging in a five star Hotel. He has to prepare **10 dishes** for breakfast, lunch and dinner. Each dish costs \$ **500**. Provided all the guests eats all the **10 dishes 3 times** per day, how much money is the Hotel going to earn in **20 days** ?

- ▶ Cost of each dish: \$ **500**
- ▶ Dishes he has to prepare: **10**
- ▶ Number of guests: **50**
- ▶ Each guest has to eat: **3 times**
- ▶ In 20 days, the Hotel will earn: **?**

Multiplication

$\begin{array}{r} 500 \\ \times 10 \\ \hline 5,000 \end{array}$	$\begin{array}{r} 5,000 \\ \times 50 \\ \hline 250,000 \end{array}$	$\begin{array}{r} 250,000 \\ \times 3 \\ \hline 750,000 \end{array}$	$\begin{array}{r} 750,000 \\ \times 20 \\ \hline 000,000 \\ + 15,000,000 \\ \hline 15,000,000 \end{array}$
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In 20 days, the Hotel will earn \$ **15,000,000**.