

# Find the Quotient

The Lopez family is going on a family cross-country vacation. Use division to solve the following problems. Perform other operations as needed to help find the answers. Show your work.



**1.** Driving across the country, the Lopez family drove 639 miles in one day. They counted 9 rest stops along the way. If the rest stops are spaced apart equally, how many miles apart were the rest stops?

$$\begin{array}{r} 71 \\ 9 \overline{)639} \\ \underline{-63} \phantom{0} \\ 09 \\ \underline{-9} \\ 0 \end{array}$$

**Answer:**

The rest stops were 71 miles apart.

**2.** The Lopez family camps out one night during their trip. Their tent floor is 4,572 square inches. If the 3 members of the Lopez family plus their dog sleep in the tent, how much space does each get?

$$\begin{array}{r} 1,143 \\ 4 \overline{)4,572} \\ \underline{-4} \phantom{00} \\ 05 \phantom{0} \\ \underline{-4} \phantom{0} \\ 17 \phantom{0} \\ \underline{-16} \phantom{0} \\ 12 \phantom{0} \\ \underline{-12} \\ 0 \end{array}$$

**Answer:**

Each person (and dog) gets 1,143 square inches.

**3.** The Lopez family visits an art museum that is known to house 608 original works of art. If the museum has 32 different galleries and each gallery has the same number of artworks, how many works of art are in each gallery?

$$\begin{array}{r} 19 \\ 32 \overline{)608} \\ \underline{-32} \phantom{0} \\ 288 \\ \underline{-288} \\ 0 \end{array}$$

**Answer:**

Each gallery has 19 works of art.

**4.** The Lopez family takes a taxi to their next destination. The cost of taking a taxi is \$4 plus \$3 for each mile traveled. When they arrive at their destination, the total cost is \$37. How far did they go in the taxi?

$$\$37 - \$4 = \$33$$

$$\$33 \div 3 = 11$$

**Answer:**

They went 11 miles in the taxi.