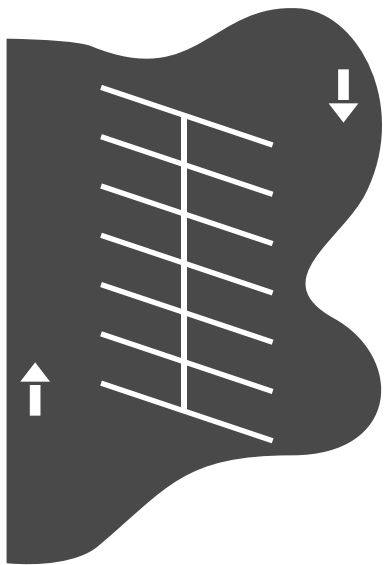**Use multiplication to solve the following problems. Show your work.**

The Nguyen family gets movies from MovieMail home video delivery service. They get 3 movies at the beginning of the week and return them at the end of each week. If they continue this pattern, how many movies will they see in one year? (1 year = 52 weeks)

$$3 \times 52 = 156$$

156 movies

Look at the diagram of a portion of the local grocery store's parking lot. If there are 15 rows of parking spaces in the lot like this one, how many cars can the parking lot fit in total?

$$
\begin{array}{r}
12 \\
\times 15 \\
\hline
60 \\
+ 120 \\
\hline
180
\end{array}
$$

180 cars

Mr. Hayes is having friends over to watch basketball and needs to buy snacks. He buys 5 boxes of crackers. In each box there are 3 sleeves of 24 crackers. How many crackers did he buy all together? This is a two step problem. Try multiplying the numbers in different orders. Do you get the same answer? * You can find this answer by multiplying the numbers in any order.

$$24 \times 3 = 72$$
$$72 \times 5 = 360$$

360 crackers

Mr. Chang is comparing television screen sizes. Screen #1 is 18 by 23 inches and screen #2 is 19 by 22 inches. Which television has the larger screen?

$$
\begin{array}{r}
18 \\
\times 23 \\
\hline
54 \\
+ 360 \\
\hline
414
\end{array}
\qquad
\begin{array}{r}
19 \\
\times 22 \\
\hline
38 \\
+ 380 \\
\hline
418
\end{array}
$$

Screen #2