

# Practicing Partial-Products Multiplication



Solve using partial-products multiplication.

①  $46 * 38 = \underline{1,748}$

$$\begin{array}{r}
 46 \\
 * 38 \\
 \hline
 1200 \\
 180 \\
 320 \\
 + 48 \\
 \hline
 1,748
 \end{array}$$

②

$$\begin{array}{r}
 65 \\
 * 32 \\
 \hline
 2,080 \\
 1800 \\
 150 \\
 120 \\
 + 10 \\
 \hline
 2,080
 \end{array}$$

- ③ Donnie and Raj went apple picking at an orchard that had 65 rows of trees. Each row had 22 trees in it. How many trees were in the orchard?

Number model with unknown:  $\underline{65 * 22 = t}$

Answer:  $\underline{1,430}$  trees

- ④ A new apartment building has 33 floors, with 24 apartments on each floor. How many apartments are in the building?

Number model with unknown:  $\underline{33 * 24 = a}$

Answer:  $\underline{792}$  apartments

## Practice

⑤  $37 * 5 = \underline{185}$

⑥  $27 * 6 = \underline{162}$

⑦  $332 * 6 = \underline{1,992}$

⑧  $2,958 * 7 = \underline{20,706}$