

Extended Multiplication Facts



Solve mentally.

① $6 * 7 = \underline{42}$
 $6 * 70 = \underline{420}$
 $60 * 7 = \underline{420}$
 $60 * 70 = \underline{4,200}$
 $600 * 7 = \underline{4,200}$
 $60 * 700 = \underline{42,000}$

② $5 * 6 = \underline{30}$
 $5 * 60 = \underline{300}$
 $50 * 6 = \underline{300}$
 $50 * 60 = \underline{3,000}$
 $500 * 6 = \underline{3,000}$
 $50 * 600 = \underline{30,000}$

③ $4 * 8 = \underline{32}$
 $4 * 80 = \underline{320}$
 $40 * 8 = \underline{320}$
 $40 * 80 = \underline{3,200}$
 $400 * 8 = \underline{3,200}$
 $40 * 800 = \underline{32,000}$

④ $5 * \underline{3} = 15$
 $30 * \underline{5} = 150$
 $30 * \underline{50} = 1,500$
 $\underline{3} * 50 = 150$
 $\underline{3} * 500 = 1,500$
 $30 * \underline{500} = 15,000$

⑤ 54 is 6 times as many as 9.
 540 is 6 times as many as 90.
 5,400 is 60 times as many as 90.
 540 is 60 times as many as 9.
 5,400 is 6 times as many as 900.
 54,000 is 6 times as many as 9,000.

Practice

Solve using U.S. traditional addition or subtraction.

⑥ $6,419 + 7,809 = \underline{14,228}$ ⑦ $8,045 - 5,906 = \underline{2,139}$
 ⑧ $76,543 + 84,086 = \underline{160,629}$ ⑨ $65,409 - 32,777 = \underline{32,632}$