

Moving Ahead with Multiplication

Connecting Multiplication Methods



Self-Check: Question 1

1. John solved 64×32 using all partials. Complete the same problem using the rectangle method. Fill in the blank boxes with the correct numbers.

All-Partials Method

$$\begin{array}{r} 64 \\ \times 32 \\ \hline 1800 \\ 120 \\ 120 \\ + 8 \\ \hline 2048 \end{array}$$

Rectangle Method

| | | | | | | | |
|----|---|---|------|---|---|---|-----|
| | <input type="text"/> | | | | | | |
| 30 | $30 \times$ <input style="width: 40px;" type="text"/> | = | 1800 | 4 | $30 \times$ <input style="width: 40px;" type="text"/> | = | 120 |
| 2 | $2 \times$ <input style="width: 40px;" type="text"/> | = | 120 | 8 | $2 \times$ <input style="width: 40px;" type="text"/> | = | 8 |
| | | | | | | | |

$$\begin{array}{r} 1800 \\ 120 \\ \hline \square \\ + 8 \\ \hline 2048 \end{array}$$

$$\begin{array}{r} 1800 \\ 120 \\ \hline \square \\ + 8 \\ \hline 2048 \end{array}$$

Use the Self-Check Question and the menu to choose practice with multiplication methods.

Workshop Menu

| | ▲ Working On It! | ● Getting It! | ■ Got It! |
|--|----------------------------------|-------------------------------------|--------------------------------|
| Can I Do This? | I could use some extra help. | I just need some more practice. | I'm ready for a challenge. |
| Make connections between methods. | Questions 2–3 | Questions 3–4 | Question 4 |
| Use place value to multiply. | ▲ ● ■ Multiplication Digits Game | | |