

L.0) I can use short multiplication

Do the multiplication at the bottom of the ladder. Then take your answer and multiply it by the ladder's number. Keep doing this until you get to the top!

The image shows three vertical ladders, each with five rungs. Each rung contains a 5x5 grid. The bottom rung of each ladder contains a multiplication problem. Below each ladder is a cloud containing a multiplier. The ladders are purple, and the clouds are white with purple outlines. The background has teal hills at the bottom.

Ladder 1 (Left):

- Bottom rung:
$$\begin{array}{r} 23 \\ \times 2 \\ \hline \end{array}$$
- Cloud: $\times 2$

Ladder 2 (Middle):

- Bottom rung:
$$\begin{array}{r} 23 \\ \times 5 \\ \hline \end{array}$$
- Cloud: $\times 5$

Ladder 3 (Right):

- Bottom rung:
$$\begin{array}{r} 31 \\ \times 2 \\ \hline \end{array}$$
- Cloud: $\times 2$

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Ladder 1 (Left):

- Bottom rung:
$$\begin{array}{r} 23 \\ \times 3 \\ \hline \end{array}$$
- Cloud: $\times 3$

Ladder 2 (Middle):

- Bottom rung:
$$\begin{array}{r} 23 \\ \times 5 \\ \hline \end{array}$$
- Cloud: $\times 5$

Ladder 3 (Right):

- Bottom rung:
$$\begin{array}{r} 31 \\ \times 4 \\ \hline \end{array}$$
- Cloud: $\times 4$

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The image shows three vertical ladders, each with 5 rungs and a cloud at the bottom. Each rung contains a short multiplication problem. The first ladder is for multiplying by 7, the second by 8, and the third by 9. Each rung contains a short multiplication problem.

Ladder 1 (x7):

- Rung 1:
$$\begin{array}{r} 23 \\ \times 7 \\ \hline \end{array}$$
- Rung 2:
$$\begin{array}{r} 23 \\ \times 7 \\ \hline \end{array}$$
- Rung 3:
$$\begin{array}{r} 23 \\ \times 7 \\ \hline \end{array}$$
- Rung 4:
$$\begin{array}{r} 23 \\ \times 7 \\ \hline \end{array}$$
- Rung 5:
$$\begin{array}{r} 23 \\ \times 7 \\ \hline \end{array}$$
- Cloud:
$$\times 7$$

Ladder 2 (x8):

- Rung 1:
$$\begin{array}{r} 23 \\ \times 8 \\ \hline \end{array}$$
- Rung 2:
$$\begin{array}{r} 23 \\ \times 8 \\ \hline \end{array}$$
- Rung 3:
$$\begin{array}{r} 23 \\ \times 8 \\ \hline \end{array}$$
- Rung 4:
$$\begin{array}{r} 23 \\ \times 8 \\ \hline \end{array}$$
- Rung 5:
$$\begin{array}{r} 23 \\ \times 8 \\ \hline \end{array}$$
- Cloud:
$$\times 8$$

Ladder 3 (x9):

- Rung 1:
$$\begin{array}{r} 31 \\ \times 9 \\ \hline \end{array}$$
- Rung 2:
$$\begin{array}{r} 31 \\ \times 9 \\ \hline \end{array}$$
- Rung 3:
$$\begin{array}{r} 31 \\ \times 9 \\ \hline \end{array}$$
- Rung 4:
$$\begin{array}{r} 31 \\ \times 9 \\ \hline \end{array}$$
- Rung 5:
$$\begin{array}{r} 31 \\ \times 9 \\ \hline \end{array}$$
- Cloud:
$$\times 9$$