

Show your work: the full ladder

Name: _____

Date: _____

One operation on every line. Copy down everything you have not touched yet.

1. $8^2 - 5 - (9 + 9)$

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2. $84 \div (5^2 + 3) + 6$

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3. $8 + (9^2 + 7) \times 7$

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4. $72 \div (8 + 4^2) + 2$

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Answer key: Show your work: the full ladder

One operation on every line. Copy down everything you have not touched yet.

$$\begin{aligned} 1. \quad & 8^2 - 5 - (9 + 9) \\ & = 8^2 - 5 - 18 \\ & = 64 - 5 - 18 \\ & = 59 - 18 \\ & = 41 \end{aligned}$$

$$\begin{aligned} 2. \quad & 84 \div (5^2 + 3) + 6 \\ & = 84 \div (25 + 3) + 6 \\ & = 84 \div 28 + 6 \\ & = 3 + 6 \\ & = 9 \end{aligned}$$

$$\begin{aligned} 3. \quad & 8 + (9^2 + 7) \times 7 \\ & = 8 + (81 + 7) \times 7 \\ & = 8 + 88 \times 7 \\ & = 8 + 616 \\ & = 624 \end{aligned}$$

$$\begin{aligned} 4. \quad & 72 \div (8 + 4^2) + 2 \\ & = 72 \div (8 + 16) + 2 \\ & = 72 \div 24 + 2 \\ & = 3 + 2 \\ & = 5 \end{aligned}$$