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Standards for Mathematical Practice

- **1. Make sense of problems and persevere in solving them.**
- **2. Reason abstractly and quantitatively.**
- **3. Construct viable arguments and critique the reasoning of others.**
- 4. Model with mathematics.
- **5. Use appropriate tools strategically.**
- 6. Attend to precision.
- 7. Look for and make use of structure.
- 8. Look for and express regularity in repeated reasoning.

Make sense of problems and persevere in solving them.

 $\begin{array}{c} X + 6 = 8 \\ X = 8 - 6 \end{array}$ = ?

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Reason abstractly and quantitatively.

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Construct viable arguments and critique the reasoning of others.

Model with mathematics.

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Use appropriate tools strategically.

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3.0

Attend to precision.

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Look for and make use of structure.

7 + 2 = 9

so, 2 + 7 = 9

so, 2 + 7 = 7 + 2

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Look for and express regularity 4 + 4 + 4 + 4 + 4 = 20 I am adding 4 five times. in repeated reasoning.

That's the same as:

4 x 5 = 20