Promoting Mathematical Thinking in Young Children

1 I can figure out how the pieces fit together without giving up.

Make sense of problems and persevere in solving them.

2 I can use numbers and words to count.

Reason abstractly and quantitatively.

3 I can explain what I am thinking.

Construct viable arguments and critique the reasoning of others.

4 I can count and show how many I have.

Model with mathematics.

5 I can use blocks to measure things.

Use appropriate tools strategically.

6 I can use math words to share what I did.

Attend to precision.

7 I can use shapes to make other shapes.

Look for and make use of structure.

8 I can make and create patterns.

Look for and express regularity in repeated reasoning.

WAYNE RESA Leading... Learning for All

SERVICE LEADERSHIP COLLABORATION EXCELLENCE

33500 Van Born Road • Wayne, MI 48184-2497
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Christopher A. Wigent, Superintendent

MAY, 2013

early on WAYNE COUNTY

What is Early On Michigan?

If you question how your child is developing, "Don't worry. But don't wait."

Call 1-800-Early-On (1-800-327-5966)

Early On supports parents and caregivers to help their children develop to their fullest potential.

Give Michigan's Kids a Great Start greatstartforkids.org

COMMON CORE STATE STANDARDS INITIATIVE
PREPARING AMERICA'S STUDENTS FOR COLLEGE & CAREER

Common Core State Standards Initiative for Mathematics

Standards for Student Mathematical Practice

1 Make sense of problems and persevere in solving them.

Keep on going !

2 Reason abstractly and quantitatively.

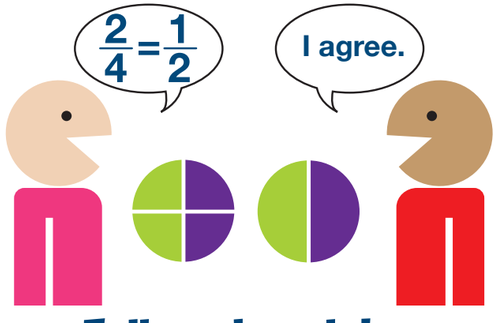
Write a story for the mathematical equation

$\frac{1}{2} \times 4$

DeJuan exercises 1/2 hour a day for 4 days. How many total hours does he exercise?

Think what makes sense.

3 Construct viable arguments and critique the reasoning of others.



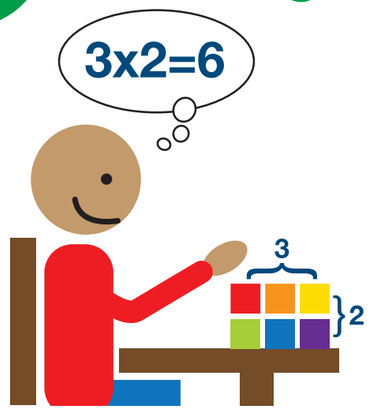
Talk and explain.

4 Model with mathematics.

$\frac{1}{2} \times 4 = 2$ or $4 \times \frac{1}{2} = 2$

Show your thinking.

5 Use appropriate tools strategically.



Use the right tools.

6 Attend to precision.

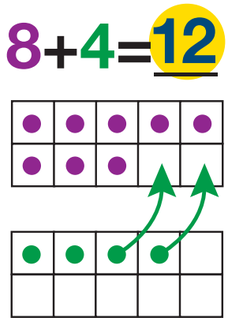
symbol: equals (the same as)

120 minutes = 2 hours

units of measure

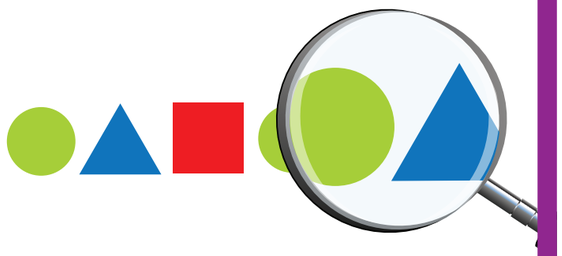
Check your work.

7 Look for and make use of structure.



See the pattern or connection.

8 Look for and express regularity in repeated reasoning.



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