

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.

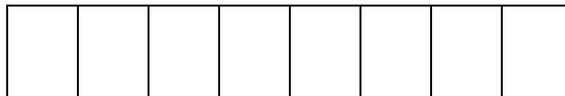
8. Look for and express regularity in repeated reasoning.

Elementary School Problems

A. In one minute, write as many mathematical expressions as you can that have a value of 4.

B. Draw three rectangles, each one having a perimeter of 12.

C. How many rectangles appear in the figure below?



D. Write an equation to describe how many people can receive $\frac{1}{2}$ of a pizza if 4 pizzas are ordered.

E. Carol claims that the product of any two factors will be greater than both of the factors. Is Carol's claim correct? Justify your answer.