

12. Extend Your Thinking

Name: _____ **Class:** _____ **Date:** _____

1. Explain why $6 \div 2$ is smaller than 6 but $6 \div \frac{1}{2}$ is greater than 6.

2. A quantity is multiplied by $\frac{1}{2}$ and then by $\frac{1}{2}$. Does it return to the original quantity? Explain.

3. Can a division problem have an answer less than 1 when the divisor is a fraction? Give an example.

4. Create two different contexts for $\frac{1}{2}$: one sharing context and one scaling context.

5. Explain why common denominators are units, not merely numbers that make a rule work.
