

Multiplication

While working in a group make sure you:

- Expect to make mistakes but be sure to reflect/learn from them!
- Are civil and are aware of your impact on others.
- Assume and engage with the strongest argument while assuming best intent.

1. Perform the multiplication of 17×13 . Use a model so that a 4th grader can follow your work.

2. Determine if the following statements are sometimes true, always true, or never true:

(a) For any whole number x , $1 \times x = x$.

(b) For any whole numbers x and y , $x \times y = y \times x$.

(c) For any whole numbers x , y , and z , $z + (x \times y) = (z + x) \times (z + y)$.

3. Perform the multiplication of $4_{\text{five}} \times 23_{\text{five}}$. Use a model so that a 4th grader can follow your work.