Multiplication as Scaling

Today's Standard

5.NF.B5 - Interpret multiplication as scaling (resizing), by:

Cues	Notes
Multiplication as scaling	Multiplication can resize numbers, making them larger or smaller depending on the fraction.
Fraction multiplication	Multiplying by a fraction less than one reduces the original number.
Scaling examples	Real-world examples include resizing recipes, adjusting model dimensions, and scaling distances on maps.
Common misconceptions	Common misconceptions include thinking multiplication always makes numbers bigger and confusing multiplication with division.
Interventions	Interventions include using visual aids and practice problems to clarify concepts.

Summary

Multiplication as scaling involves resizing numbers, which can be larger or smaller based on the fraction used. Understanding this concept is crucial for advanced math topics.