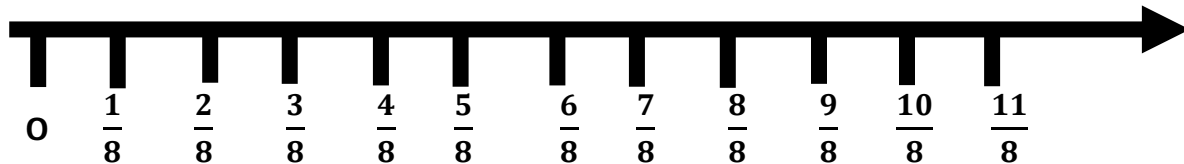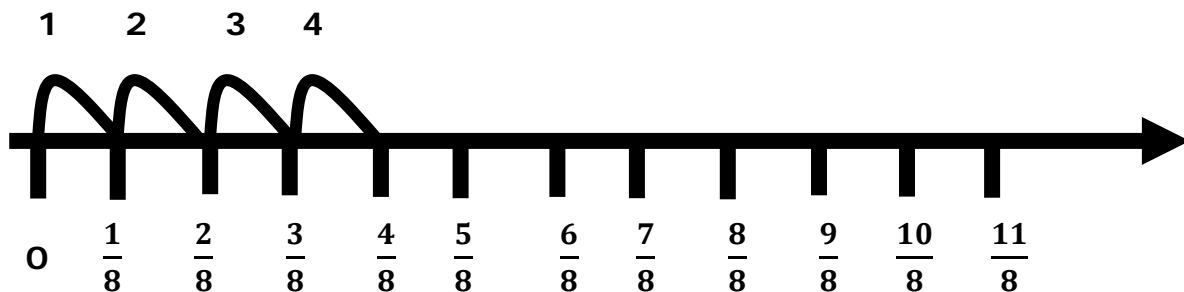**Fractions and Whole Numbers in Words and Visuals - Step-by-Step Lesson**

Multiplying Fractions on a Numbers Line:

What is $\frac{1}{8}$ multiplied by 4? Use the numbers line to help you.

| O | $\frac{1}{8}$ | $\frac{2}{8}$ | $\frac{3}{8}$ | $\frac{4}{8}$ | $\frac{5}{8}$ | $\frac{6}{8}$ | $\frac{7}{8}$ | $\frac{8}{8}$ | $\frac{9}{8}$ | $\frac{10}{8}$ | $\frac{11}{8}$ |

Answer:

Each step of the numbers line is a unit of $\frac{1}{8}$. So it stands to reason that 4 of those steps would be equal to 4 x $\frac{1}{8}$?

Let's jump 4 steps on the numbers line. Start from 0.

| 1 | 2 | 3 | 4 |

| O | $\frac{1}{8}$ | $\frac{2}{8}$ | $\frac{3}{8}$ | $\frac{4}{8}$ | $\frac{5}{8}$ | $\frac{6}{8}$ | $\frac{7}{8}$ | $\frac{8}{8}$ | $\frac{9}{8}$ | $\frac{10}{8}$ | $\frac{11}{8}$ |

This tells us that 4 x $\frac{1}{8}$ = $\frac{4}{8}$