$1\frac{1}{2} \div \frac{1}{4}$, rewriting that with a common denominator, we have

$$1\frac{2}{4} - \frac{1}{4} = 1\frac{1}{4}, \quad 1\frac{1}{4} - \frac{1}{4} = 1, \quad 1 - \frac{1}{4} = \frac{3}{4}, \quad \frac{3}{4} - \frac{1}{4} = \frac{2}{4}, \quad \frac{2}{4} - \frac{1}{4} = \frac{1}{4}, \quad \frac{1}{4} - \frac{1}{4} = 0$$

Note, I subtracted ¼ SIX times

That means there are six ¼'s in $1\frac{1}{2}$. Mathematically we write $1\frac{1}{2} \div \frac{1}{4} = 6$