

Ex. 1: If 3 boxes of candy weigh $6\frac{1}{2}$ pounds, find the weight per box.

“per” means to divide

$$6\frac{1}{2} \div 3 = \frac{13}{2} \div \frac{3}{1} = \frac{13}{2} \times \frac{1}{3} = \frac{13}{6} = 2\frac{1}{6} \text{ pounds}$$



Ex. 2: If one “2 by 4” is actually $3\frac{1}{2}$ inches wide, find the width of twelve “2 by 4”s.

twelve 2” by 4”s here means 12 times as wide as one 2” by 4”

$$3\frac{1}{2} \times 12 = \frac{7}{2} \times \frac{12}{1} = 42 \text{ inches}$$

