

$$\frac{3}{4} = \frac{3 \cdot 1}{1 \cdot 4} = \frac{3}{1} \cdot \frac{1}{4} = 3 \cdot \frac{1}{4}$$

(This expression is different from $3\frac{1}{4} = 3 + \frac{1}{4}$.)

$$\frac{x}{3} = \frac{1 \cdot x}{3 \cdot 1} = \frac{1}{3} \cdot \frac{x}{1} = \frac{1}{3}x$$

$$\frac{3}{x} = \frac{3 \cdot 1}{1 \cdot x} = \frac{3}{1} \cdot \frac{1}{x} = 3 \cdot \frac{1}{x}$$

$$\frac{7}{8x} = \frac{7 \cdot 1}{8 \cdot x} = \frac{7}{8} \cdot \frac{1}{x}$$

$$\frac{7x}{8} = \frac{7 \cdot x}{8 \cdot 1} = \frac{7}{8}x$$

$$\frac{x+1}{2} = \frac{1 \cdot (x+1)}{2 \cdot 1} = \frac{1}{2}(x+1)$$

$$\frac{2}{x+1} = \frac{2 \cdot 1}{1 \cdot (x+1)} = \frac{2}{1} \cdot \frac{1}{x+1} = 2 \frac{1}{x+1}$$