

### 3.4 Distributive Property

L.O. → I can use d.p.  
to simplify algebraic  
expressions and evaluate  
numerical expressions

$$\begin{aligned}\text{Ex.) } 5 \times 41 \\ 5 \times (40 + 1) \\ 5(40) + 5(1) \\ 200 + 5 \\ = 205\end{aligned}$$

$$\begin{aligned}\text{Ex.) } \frac{1}{4} \cdot 4\frac{1}{5} \\ \frac{1}{4} \left(4 + \frac{1}{5}\right) \\ \frac{1}{4}(4) + \frac{1}{4}\left(\frac{1}{5}\right) \\ 1 + \frac{1}{20} \\ = 1\frac{1}{20}\end{aligned}$$