





## Dimensional Analysis Warm-Up

1.   $\times$   $\frac{\text{blue square}}{\text{orange circle}}$   $\times$   $\frac{\text{yellow triangle}}{\text{blue square}}$   $=$  

2.  $\frac{\text{red octagon}}{\text{green star}}$   $\times$   $\frac{\text{green star}}{\text{pink lightning bolt}}$   $\times$   $\frac{\text{purple heart}}{\text{red octagon}}$   $=$   $\frac{\text{purple heart}}{\text{pink lightning bolt}}$

Look at problem 1 and 2. Describe a pattern that you notice.  
Use this pattern to answer problem 3 and 4.

3.   $\times$   $\frac{\text{black diamond}}{\text{brown star}}$   $\times$   $\frac{\text{orange circle}}{\text{black diamond}}$   $=$  ?

4.   $\times$   $\frac{\text{orange circle with dot}}{\text{blue square}}$   $\times$   $\frac{\text{smiley face}}{\text{?}}$   $=$  