

## Translating Expressions

### I. Learning Objectives

- Cognitive:** Translate expressions such as  $\frac{1}{2}$  of  $\frac{2}{3}$ ,  $\frac{2}{3}$  of  $\frac{1}{6}$  to mathematical sentences  
**Psychomotor:** Illustrate expressions using shaded regions  
**Affective:** Show resourcefulness in doing one's project

### II. Learning Content

- Skills:** 1. Translating expressions such as  $\frac{1}{2}$  of  $\frac{2}{3}$ ,  $\frac{2}{3}$  of  $\frac{1}{6}$   
2. Multiplying a fraction by another fraction  
**References:** BEC-PELC II E 1.2.1 & E 2  
**Materials:** flash cards, cutouts of fractions, learning activity sheet, chart showing illustrations  
**Value:** Resourcefulness

### III. Learning Experiences

#### A. Preparatory Activities

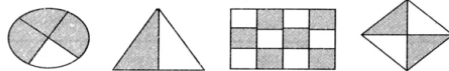
##### 1. Drill

Contest on basic multiplication facts using flash cards.

$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

##### 2. Review

Naming fractions  
Give the fraction for the shaded part.



##### 3. Motivation

Get  $\frac{1}{2}$  sheet of Grade 4 paper. Fold  $\frac{1}{2}$  of your paper. What is  $\frac{1}{2}$  of a half? What word in this sentence has an equivalent symbol in mathematics? What symbol can be replaced by the word "of"?

#### B. Developmental Activities

##### 1. Presentation

Nancy found a piece of white cloth in an old chest of her grandmother. She cut  $\frac{2}{3}$  of it, then she used  $\frac{1}{2}$  of this for her apron's pockets. What part of the whole piece of cloth did Nancy use for her apron's pockets?

- a. Help the pupils in the analysis of data.
1. What kind of a girl is Nancy?
  2. If you were Nancy, would you do the same? Why?
  3. What part of the cloth did Nancy cut?