

Lesson 3.12 - Distinguish Multiplication from Division

**Objective:**

- *Distinguish between division and multiplication situations.*
- *Predict whether your answer will be greater or less than the starting number.*

Math Standard:

**“Make sense of problems and persevere in solving them.”**

1. (10 minutes) Warm-up “Reverse, Reverse!”
2. (15 minutes) Math notes: (page 98)
  - a. Multiplication: “*How many times we are taking a number.*”
  - b. Division: “*How many of a certain number are inside another.*”
3. (15 minutes) Practice problems: p. 99, 13-14
4. (5 minutes) Go over homework

Math Notes practice problems:

1.  $6 \div 3 = 2$ 
  - a.  $a \div b = c$
  - b. Will our answer be greater than or less than what we started with? **less**
  - c. *How many times will 3 fit in 6?*
2.  $6 \div \frac{1}{3} = 18$ 
  - a.  $a \div b = c$
  - b. Will our answer be greater than or less than what we started with? **greater**
  - c. *How many times will a  $\frac{1}{3}$  fit in 6? Or how many  $\frac{1}{3}$ 's are in 6? ( $6 \times 3 = 18$ )*

Assessments:

- Warm up - get as close to 100% participation as possible
- Math notes - ask class questions, thumbs up or thumbs down (greater than or less than what we started with?)
- Practice problems - check work; 2 students solve on the board