NAME

**PERIOD** 

## Unit 4, Lesson 1

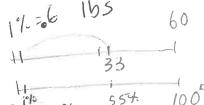
## **Practice Problems**

- Order from smallest to largest:
  - Number of pennies in a stack that is 1 ft high
    Number of pennies in a stack that is 1 ft high
    Number of pennies in a stack that is 1 ft high
  - Number of books in a stack that is 1 ft high take least
  - Number of dollar bills in a stack that is 1 ft high take most
  - Number of slices of bread in a stack that is 1 ft high next largest



- 2. Use each of the numbers 4,40, and 4000 once to make true statements.
  - a. The value of 40.01 is close to 1
  - $\div 40.01$  is much less than 1. b. The value of \_\_\_
  - $\mathcal{U}$  000  $\mathcal{D}$   $\div$  40.01 is much greater than 1. c. The value of
- 3. Without computing, decide whether the value of each expression is much smaller than
  - 1, close to 1, or much greater than 1.
  - a.  $100 \div \underbrace{1}_{1000} \underset{SMall}{\text{very}} greater than 1$ b.  $50\frac{1}{3} \div 50\frac{1}{4}$  close to 1

  - c.  $4.7 \div 5.2$ d.  $2 \div 7335$
  - larger than e.  $2,000,001 \div 9$
  - f.  $0.002 \div 2,000$



- 4. A rocking horse has a weight limit of 60 pounds.
  - a. What percentage of the weight limit is 33 pounds?

  - b. What percentage of the weight limit is 114 pounds?
  - c. What weight is 95% of the limit?

95×60 = 571bs OR 951bs x.6= 571bs

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- 5. Compare using >, =, or <.
  - a. 0.7 <u>=</u> 0.70
  - b.  $0.03 + \frac{6}{10}$   $< 0.30 + \frac{6}{100}$
  - c. 0.9° > 0.12

Mental Math

- 6. Diego has 90 songs on his playlist. How many songs are there for each genre?
  - a. 40% rock = 4 1 0 3 0
    - 9×4 = 36 50ngs
  - b. 10% country 1
- 9x1 = 9 50ngs
- c. 30% nip-nop 1 **3**

- 9 x 2 = (8) songs
- 7. A garden hose emits 9 quarts of water in 6 seconds. At this rate:
  - a. How long will it take the hose to emit 12 quarts?
  - b. How much water does the hose emit in 10 seconds?