

# Chapter 1- Number Sense and Algebraic Thinking

## 1.1 Whole Number Operations

Pages 3-5

## NOTES 1.1 WHOLE Number Operations

Counting Number= 1, 2, 3, ...

Whole Number= 0, 1, 2, 3, ...

The result when you

add = sum

subtract = difference

multiply = product

divide = quotient

Interpreting Remainders

( p. 5-13)

**Step 1 = Solve**

$$\begin{array}{r} 12 \text{ R } 4 \\ 8 \overline{) 100} \\ \underline{8} \phantom{0} \\ 20 \\ \underline{16} \\ 4 \end{array}$$

**Step 2 = Interpret**

You need 13 tables

## Guided Practice

**Do #'s 30, 32, 24 like this (3 pts each)**

$$29) \quad \begin{array}{ccccccc} 5 & & 10 & & 20 & & 40 \\ & \underbrace{\hspace{1cm}} & & \underbrace{\hspace{1cm}} & & \underbrace{\hspace{1cm}} & \\ & + 2 & + 2 & + 2 & & & \end{array}$$

pattern = multiply by 2  
next 2#'s = 80 & 160

$$33) \quad \begin{array}{ccccccc} 4 & & 12 & & 20 & & 28 \\ & \underbrace{\hspace{1cm}} & & \underbrace{\hspace{1cm}} & & \underbrace{\hspace{1cm}} & \\ & + 8 & + 8 & + 8 & & & \end{array}$$

pattern = add 8  
next 2#'s = 36 & 44

**Do #'s 36 & 38 like this (2 pts each)**

$$35) \quad \begin{array}{r} \text{true} \quad \quad \quad 92 \\ \quad \quad \quad \quad + 13 \\ \hline \quad \quad \quad \quad 105 \end{array}$$

$$37) \quad \begin{array}{r} \text{false} \quad \quad \quad 26 \\ \text{difference} \quad \quad + 3 \\ \hline \end{array} \quad \begin{array}{r} 26 \\ - 3 \\ \hline \end{array}$$

29 23

**Use mental Math to help you SHOW WORK for #'s 40-43 all, 48, 54, & 56**

**54 = 2 pts**

**56 = 3 pts**

**To find missing digits:**

$$\begin{array}{r} 23 \\ + 5\boxed{6} \\ \hline 79 \end{array}$$

$$\begin{array}{r} 9\boxed{\phantom{0}} \\ - 24 \\ \hline 67 \end{array}$$

$$\begin{array}{r} 3\boxed{\phantom{0}}5 \\ \times 4 \\ \hline 1260 \end{array}$$

$$\begin{array}{r} 19 \\ \boxed{8} \overline{)152} \end{array}$$

**p. 6 # 39**

**error = 27 is in the wrong place.**

**Really multiplying by 10 rather than 1, so 27 should be 270.**

**p. 7 # 54 Solve and justify**

**# 56 Describe pattern**

**4- min call =**

**5-min call =**