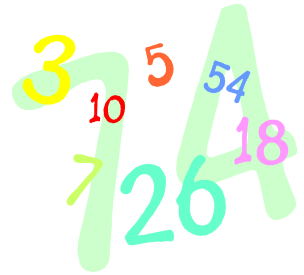


# Algebra/Geometry Institute Summer 2006

Lesson Plan: Solving one step equations

Faculty Name: Mrs. Carolyn A. Johnson  
School: Warren Central Intermediate School  
Vicksburg, MS  
Grade Level: 5<sup>th</sup>



## 1. Teaching objective(s)

The students will be able to solve one step equations.

## 2. Instructional Activities:

- The teacher will do the problem of the day with the class. The skill will be on solving one step equations.

The teacher will read and explain the problem of the day to the class. She will say, “ Find a+b. Then write your answer in simplest form.” Write down this problem:

$$\frac{1}{(1 \times 2)} + \frac{1}{(2 \times 3)} + \frac{1}{(3 \times 4)} = a$$

$$\frac{1}{(4 \times 5)} + \frac{1}{(5 \times 6)} = b$$

The teacher will check to see if the class understands the skill.

- The teacher will write these on the overhead and have the class work each:  $x+8=18$ ,  $27+x=40$ ,  $x-14=30$  and  $57-x=92$ .  
The teacher will check and discuss each problem from the overhead projector with the class.
- The teacher will have the class solve problems 1-4 from worksheet.

**Activities:**

- **The class will work practice page 1. (see attachment)**
- **The class will show and discuss their problems they did on practice page 1 with teacher.**
- **The class will use index cards to make one step equation flash cards. They will write the equation on one side and put the solution on the back. They will then exchange with a partner, solve, and check. (see attachment)**

**3. Materials and Resources**

**Overhead Projector**

**Paper**

**Pencil**

**Overhead pens**

**Practice Page # 1**

**Worksheet**

**Index Cards**

**4. Assessment**

**Oral Responses to Questions**

**Practice Page # 1 to be graded**

**Worksheet**

Name-----

Date-----

**Solve each equation and show your work.**

**1.  $w-6=14$**

**2.  $45+t=11$**

**3.  $w-17=38$**

**4.  $E+10=25$**

**5.  $4+y=8$**

**6.  $14-u=9$**

**7.  $8-o=15$**

**8.  $5-k=9$**

**9.  $13+j=2$**

**10.  $r+15=10$**

$$y+5=17$$

$$8+n=19$$

$$6+f=10$$

$$i+19=25$$

$$y=12$$

Solution

$$n=11$$

Solution

$$f=4$$

Solution

$$i=6$$

Solution

$$a+9=23$$

$$13+r=22$$

$$p-0=17$$

$$3+c=14$$

$$a=14$$

$$r=9$$

$$p=17$$

$$c=11$$

Solution

Solution

Solution

Solution