

**SEPT. 8, 2011**

**IT'S THINKING THURSDAY!**

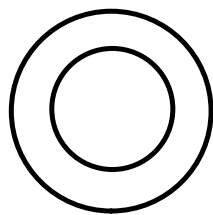
**ARE YOU READY TO TRY ON SOME NEW ROLES? TODAY WE ARE GOING TO PRACTICE EACH OF THE OTHER 4 GROUP ROLES. WE ARE ALSO GOING TO MEET WITH EACH OF OUR GROUPS AGAIN.**

**LET'S GET STARTED!!  
MRS. WEISE**

Before we start working today you will need your group plate and your name tag. Please get them out of the basket (it is right in front of the SmartBoard).

Greeting:

Hi 5 in a double circle



**REMEMBER WHAT WE WERE DOING YESTERDAY?  
WHEN I SAY GO, MOVE BACK TO YOUR GROUP #2.**

## Goal 4: Learn how to be successful

Now you will work together to solve a math problem.

Practice using the skills that match your role.

Listen to your group-mates.

Help each other practice your roles.

Solve the problem in any way that works for your group.

Write your work and answer on a white board.

If your group finishes early, try to think of another way to get the answer. A third way?

Eight people meet at a party.  
They all exchange handshakes.  
How many handshakes are exchanged?



28



Let's try a new role.

Hand your card one person to your left.

Read your new role information.

When everyone is ready,  
put your hands on  
your heads.

Next problem...

Place 20 pennies on a table in a row. Now replace every fourth coin with a nickel. Now replace every third coin with a dime. Now replace every sixth coin with a quarter. What is the value of the 20 coins now on the table?



Let's try a new role.

Hand your card one person to your left.

Read your new role information.

When everyone is ready,

~~put your feet on  
your chairs.~~

kneel.


Next problem...

The local library fine schedule for overdue books is as follows:

25 cents per day for each of the first 3 days

10 cents per day thereafter

Sandra paid a fine of \$1.35. How many days overdue was her book?

$$\begin{aligned} 3 \times 25\text{¢} &= 75\text{¢} \rightarrow 3 \text{ days} \\ 135 - 75 &= 60\text{¢} \\ \frac{60\text{¢}}{10\text{¢}} &= 6 \text{ days} \end{aligned} \quad \left. \vphantom{\begin{aligned} 3 \times 25\text{¢} &= 75\text{¢} \\ 135 - 75 &= 60\text{¢} \\ \frac{60\text{¢}}{10\text{¢}} &= 6 \text{ days} \end{aligned}} \right\} 9 \text{ days}$$


Let's try the final role.

Hand your card one person to your left.

Read your new role information.

When everyone is ready,  
stand up and then  
sit back down.

Last problem...

Mr. Davis wants to encourage his son Jimmy to save money. Each time Jimmy puts \$3 into a savings account (once a month), Mr. Davis doubles the amount of money in the account. Jimmy now has exactly \$90 in the account. How many months ago did he start?

Months	0	1	2	3	4
\$	0	$3 \times 2 = 6$	$6 + 3 = 9$ $9 \times 2 = 18$	$18 + 3 = 21$ $21 \times 2 = 42$	$42 + 3 = 45$ $45 \times 2 = 90$

