

Lesson Plan for KNP Activity

T 5513.2: Cups O' Gold

Teacher Planning Notes:

Task Group Number: 5513

Task Group Name: Cups O' Gold

Strand: Base Ten Arithmetical Strategies

Activity Level and Color: 2 Blue

KNP Activity Link with access to Printables and Student Instructions:

</knp/activity.php?id=5513.2&prefix=T>

Numeracy Target: Solve 2-digit +/- with materials by using strategies based on place value
[Numeracy Targets Chart](#)

Fluency Benchmark: KY.2.NBT.5 Fluently add and subtract within 100.

Kentucky Academic Standard(s): [KY.1.NBT.2](#)

Student-Friendly Learning Target: I am learning to add or subtract ones and/or tens using materials and write the matching number sentence.

Suggested Student Grouping(s): partners

Materials:

arrow cards (tens and ones), 20 loose pieces and 20 cups filled with ten yellow unit cubes (gold pieces) or other small counters, writing space

Activity Description:

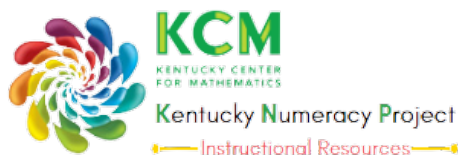
1. Player one will select a 2-digit arrow card (20 and higher) and a 1-digit arrow card and take enough full cups and loose pieces to make that number and keep as his/her stash. 2. Player two will select a 1-digit arrow card and a ten (10) arrow card and ask player one to give him/her that amount (a teen number) of gold pieces from the other player's stash and start a stash of his/her own. 3. Switch positions and repeat so that player 2 first selects the gold and player 1 gets some of player 2's stash. 4. Each player will write the number sentence showing the number of gold pieces in their stash from each round. The winner is the player who ends up with the greatest number of gold pieces in his/her stash. 5. Refill the 20 cups with 10 gold pieces each.

Teacher Notes:

Expect that students will need to unbundle a cup to be able to do the subtraction. Unbundling supports conceptual understanding that can lead to success with regrouping when eventually using a standard written algorithm. Students need plenty of time to investigate quantities before they are ready to do abstract arithmetic. Allow students to write to show their thinking about the quantities, not to find the answer. Adjust the difficulty by using only 2-digit or only 1-digit cards for the subtrahend. Also, you may wish to sort the arrow cards so the players draw cards that do or don't require unbundling.

Evidence of Learning (Diagnostic Assessment of Progress):

Write the number 52 and ask a student to make that number with base-ten portion cups. Then write the number 15 and ask the student to give you 15 gold pieces. Note the student's strategy for doing the subtraction. Ask the student how many gold pieces they have left.

KNP ID #T 5513.2

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