

Lesson Plan for KNP Activity

T 5505.3: Mixed Rollers (within 100)

Teacher Planning Notes:

Task Group Number: 5505

Task Group Name: Rollers

Strand: Base Ten Arithmetical Strategies

Activity Level and Color: 3 Green

KNP Activity Link with access to Printables and Student Instructions:

</knp/activity.php?id=5505.3&prefix=T>

Numeracy Target: Beginning to solve 2-digit +/- without materials 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](#), [KY.2.NBT.5](#)

Student-Friendly Learning Target: I am learning to find the total or difference of two values with tens and ones within 100.

Suggested Student Grouping(s): Partners

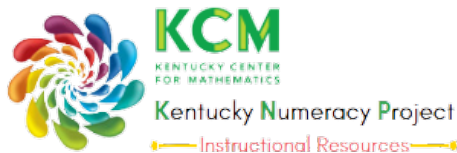
Materials: Number cube labeled (10, 11, 12, 13, 14, 15), Decade numeral cards (2 each 10-90), Writing instruments, Mixed Rollers scoreboard

Activity Description: Students will work with a partner. Shuffle one set of decade numeral cards and place face down on the starting number space. Shuffle second set of decade numeral cards and place face down on the target number space. Flip over the top card of both stacks to find your starting and target numbers. Taking turns, students will roll the number cube, and decide whether to add or subtract that number of sticks to get as close as they can to the target number. They may try adding and subtracting before they choose, make sure they have enough time to think about it. They will not be able to subtract if their current total is less than the number rolled. They will add or subtract to find their new total and record it on their scoreboard. Each student will take six turns. At the end of six turns, the students will compare total to see who got closest to the target number.

Teacher Notes: This activity challenges students to work with two digit numbers dealing with tens and ones simultaneously without the use of materials. At the end of this task, they will feel comfortable solving two digit addition and subtraction tasks using jump strategies. Students are ready for this activity when they can solve two digit addition and subtraction tasks involving tens and ones with the use of materials. This activity can be run as a small group activity. Just print more copies of the scoreboard for students to share in pairs. Created by Jordan Rhude & Emily Westerling, 2015

Evidence of Learning (Diagnostic Assessment of Progress): Show student decade numeral card labeled 60. Show them the number 13. Ask them to subtract that number and tell how many are left. Then show them the number 15. Ask them to add that to their total and tell how many are left.

KNP ID #T 5505.3



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