

Grade K: Apples or Lemons

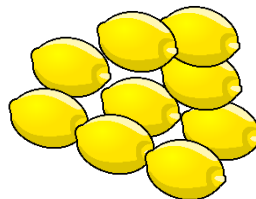
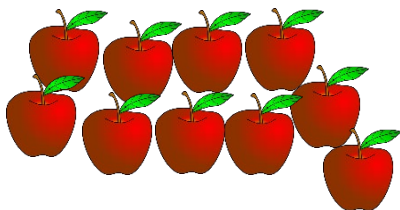
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K.CC.C.6 - Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies.

Instructions

Instruct students to solve the problem and circle the correct answer. You may also read the question aloud to students, if you prefer. Ask students to explain their answer. This could be done in partners, small groups, or with the full class.

More  or more  ?



Solution

Correct if student circles the left-hand image showing 10 apples.

There are 10 apples and 9 lemons, so there are more apples than lemons.

One way to solve the problem is to first count the apples (10), next count the lemons (9), and finally reason that there are more apples because 10 is a greater number than 9.

If a student selects an answer without counting, encourage them to check their answer by first counting the apples, then counting the lemons. (This is recommended whether they answered correctly or incorrectly.)

If a student tried to count the objects but ended up with the wrong number, help the student try again. Counting the apples may be easier if the student starts with the four apples in the top row (1, 2, 3, 4), moves to the five apples in the next row (5, 6, 7, 8, 9), then finally counts the apple at lower-right (10). Counting the lemons may be easier if the student starts with the right column of four (1, 2, 3, 4), then the middle column of three (5, 6, 7), and finally the left column of two (8, 9).

You can also try setting up the problem at a table using pennies for apples and toys for lemons. Can the student accurately count the pennies? Accurately count the toys? It helps if the student points to each object as its number is said aloud.



If a student is having trouble deciding which is more, one way to do it is to pair each penny with a toy until you run out of pennies. This shows that there are more toys. (Another way to realize that 10 is greater than 9 is to realize that 10 is 1 more than 9, because 10 comes next after 9 when reciting numbers in order.)

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More  or more  ?

