

Which has more? Student field test results

Teacher

Student verbal response

Student actions

Intro: I'd like you to sort the tiles in your bag and then look at the group/your sorting very carefully so that you can tell me some things you notice about your groups.

Intro 2: What does sorting mean? (random answers) Remember, sorting means to put things into groups. I'd like you to sort the tiles....

Tranice:

What did you find out about the cubes? Counted blue. *There are 9 blue, so I matched.*

What can you tell me about the reds and yellows? *They are different colors.*

Proceeded to unsort groups.

Kamaria:

What do you notice? No answer

Can you compare some of the groups? Nods

Can you tell me if one color has more than another color? Nods, but no further answer.

Which has more? Points to blue tiles.

Tell me about red and yellow? Which has more? Shakes head.

Asiah:

What did you notice? *Red and blue*

Tell me about the red and blue. *I like red and blue because....*

Can you compare them? Nods

Which has more? Points to blue.

Which has more between yellow and red? *Yellow has more than red.*

Chauncey & Larrion:

Neither child sorted the tiles, but placed them in one long line.

Following children were labeled as "high" by teacher. All students were able to sort.

Keyotis:

Verbal responses had to do with reading stations and reading groups – apparently they have color-named groups.

Antoniya:

Arranged groups in arrays: 3x3, 3x2, 3x2+1 (yellow bag had lost a tile)

Can you compare? *Yes.*

Is there a group that has more? *Blue.*

How do you know? *I looked at them. I counted.*

Tell me about red and yellow. *Red is smaller than the blue.*

Child 3:

Which has more? Blue.

What about red and yellow? *I think red.*

Is there any way you could check? *Count them. 6 red.*

So it has more? *Because yellow is the shortest pile.* (NOTE: Yellow and red piles were actually the same)

Child 4:

Tell me about your sorting. *I got 6 red, 7 blue, 6 yellow.* (NOTE: actually has 9 blue.)

Tell me about more and less. Repeated totals again. This time accurately counting blue.

Which has more? *Blue*

Which has less? *Red and yellow.*

Child 5:

Tiles were sorted and stacked by color.

Tell me about your sorting. *I got 9. 9 blues.*

What else? *I got 2 fives.* (Two piles of 5 each) *This one got the most.* Points to blue.

Can you tell me about less? *This one and this one.* Points to red and yellow.

Child 6:

(Unprompted) *I got more blue. I got 4 yellow. I got 6 red (counted). I got 9 and I got 6 [yellow] (recounted).*

Can you compare using words like more and less to talk about your groups? *I got more red. I got more yellow.*

I got more blue.