



30 min

Interactive Learning

Overview Children will make and count sets of 6 and sets of 7 in different ways.



Essential Question How can you show a whole group of objects in a different way?

Materials (per child) Counters (or Teaching Tool 54), crayons (1 yellow, 1 red)



Set the Purpose Remind children that they have learned how to count up to 7. *You will learn that there are different ways to make the numbers 6 and 7 in this lesson.*

Connect Show children a group of 3 yellow crayons and 2 red crayons. *How many crayons are there?* [5] *What are the parts that make the 5 crayons?* [3 yellow, 2 red] *What is another way to show 5 crayons?*

Pose the Problem *Six cars are on the road. How can we use counters to show 6 in different ways?* Have children share ideas before modeling different ways to make 6.

Model *We can show 6 in different ways. Six cars are on the road.* Show 6 yellow counters on the left side of the part-part mat on the student page as children do the same on their student page. Count and point with children to confirm 6. *How many yellow counters did we use?* [6] *How many red counters did we use?* [0; none] *So, these 6 yellow counters make a whole. 6 yellow counters and 0 or no red counters make 6. Let's color in the counters on the top left in yellow to show this way to make 6.* Have children color in the 6 counters on the top left of the page. *Remember how we showed 4 in different ways? We can show 6 in different ways, too.* Turn over three counters to red and move them onto the right side of the part-part mat. Have children do the same. *How many counters are there now?* [6] Count and point together again to confirm 6. *What two parts make up the whole 6 this time?* [3 yellow and 3 red] *Let's color in the counters in the second row on the left side.* Have children color in the counters as 3 yellow and 3 red. Continue in this manner to show 6 in a third way.

Use Math Manipulatives Make sure children use the same number of counters to show the same number in different ways.

Small Group Interaction Tell a story about 7 objects as you place 7 counters on the left side of the part-part mat. *7 cars are parked on the street. We know these 7 yellow counters show 7. What can we do to show another way to make 7? Let's turn over 2 counters to red.* Turn over 2 counters to red, move them to the right side of the part-part mat, and have children do the same. *How did we make 7 this time?* [5 yellow and 2 red] Have children color in the counters on the right to match their counters. Continue: *7 trucks are on the highway.* Then have pairs of children work together to complete the student page.



Have a group of children try clapping 6 times in different rhythms or parts, for example: 3 claps, pause, 3 claps. Have others try to copy their classmates' rhythms. Repeat for 7 claps.



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Link to Investigations, Second Edition

Joint-Usage Master Plan
Blended Instruction (Plan 1):
Topic 5 and Units 1 and 2