TOPIC: 10 more than and 10 less than

Try these activities with ten-frames and a 1–100 chart to master 10 more and 10 less.

Objective: To understand that 10 more means “add 10” and 10 less means “subtract 10”

Materials: Ten-frame wallet for each student; 1–100 chart for the class

Hands-On Activity 1: 10 more

Write: 37 on the overhead. Have a volunteer read the number. Have another volunteer locate the number on the 1–100 chart.

Say: Model this number with your tiles.

When students are ready, take the time to have a conversation about the model and the number.

Ask: What is our number? [37] Which tiles did you choose to model it? Why? [Elicit that 3 tiles with 10 dots plus a tile with 7 dots show 37 in all.]

Say: Now use tiles to show 10 more than 37.

Ask: What is 10 more than 37? [47] How do you know? [Elicit that you add a group of 10 to model the number that is 10 more than 37.]

Have students locate 47 on the 1–100 chart. Repeat with other examples.

Hands-On Activity 2: 10 less

Have a volunteer choose a number on the 1–100 chart. Have the class read the number and model it with ten-frame tiles.

Ask: What number do your tiles show? [Confirm that students have modeled the number correctly.]

Say: I’m thinking of a number that is exactly 10 less than [chosen number]. What is my number? Use your tiles. Show the number that is exactly 10 less than [chosen number].

Ask: What did you do to find the number that is 10 less than [number]? [Elicit that you take away a group of 10. That gives the number that is 10 less.]

Have students locate the original number and the 10-less-number on the 1–100 chart. Repeat with other examples.

For more ideas, visit our website: tenframesystem.com

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