

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”

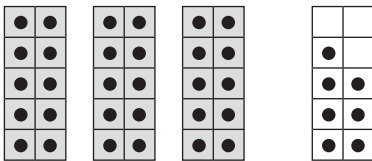
Materials: Ten-frame wallet for each student; 1–100 chart for the class

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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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