



ONE EMPTY TEN FRAME MATH MAT

Use the One Empty Ten Frame Game Mat to engage students in conversations and activities that build a strong understanding of 10, an important benchmark number. Here are some examples of great ways to use the One Empty Ten Frame Game Mat to build number sense.

Fill it & Read it (Gr. K-1)

- Give each student a One Empty Ten Frame Math Mat and 10 red and yellow two color counters.
- Ask students to fill the ten frame using some red and some yellow counters. Ask students, "How many counters did it take to fill the ten frame? How do you know?"
- Have students share their counting strategies. Then ask students to "read" what they see. For example, students might say "I see 4 red and 6 yellow counters".
- Ask students to clear their ten frame and repeat. Ask students, "Do you need to count the total number of counters each time or will always be 10? How do you know?"

How Many Ways? (Gr. K-1)

- Give each student a One Empty Ten Frame Math Mat, a sheet of paper, and 10 red and yellow two color counters.
- Ask students how many counters are needed to fill a ten frame and have them prove their thinking.
- Say to students, "How many different combinations of red and yellow counters can you use to fill the ten frame?" Have students record all of the ways to make ten that they find.
- Record students' ways to make ten. Discuss how students know if they have found all of the ways to make ten.

Too Many For the Ten Frame (Gr. K-1)

- Give students a One Empty Ten Frame Math Mat, and math tools, such as snap cubes, color tiles or two color counters.
- Ask students to represent the number 13 in their ten frame. Discuss why they were not able to fit all 13 math tools into their ten frame. Say to students, "How many math tools were in the ten frame? How many were leftover? What do we know about 13?"
- Say to students, "13 is made of a ten and 3 more ones. What about 15?"
- Have students repeat with 15 (and then other number between 11 and 19). Focus your discussion on the numbers being made of "ten and ___ more".

Put 'Em Together (Gr. 1-2)

- Give students a One Empty Ten Frame Math Mat, and math tools, such as snap cubes, color tiles or two color counters.
- Ask students to represent a number between 1 and 10 on their game mat.
- Then have students turn to a neighbor and put the two ten frames together and find the total number of math tools.
- Ask students to share their strategies for finding the total number of math tools. Did students count each math tool? Did they move math tools to fill a ten frame and then count on from 10?
- Have students clear their ten frames and repeat with a different partner.