Ten & Some More

Supports Bridges Grade 1, Unit 3, Module 3, Session 1

Overview

This Tech-Enhanced Activity is based upon learning in Session 1. The work supports student learning and understanding of teen numbers by building and matching equations to visual models.

Preview this content with a short video.

	Students will:	Assets
Part 1	Make connections between the double ten-frame and Unifix cubes. Students will build teen numbers using Unifix cubes and write matching 10 and more addition equations.	Building Teen Numbers [Slides]
Part 2	Match 10 and more equations to double ten-frame and Unifix cube models of teen numbers.	Matching Teen Numbers [Slides]
Part 3	Make the connection that not only teen numbers are built using groups of 10. Students will build decade numbers using Unifix cubes.	Tens & More [Slides]

Some tech skills your students will need:

- Click and drag elements
- Enter text in text boxes
- Drag and delete elements

Content notes:

1. The content of this TEA is aligned with the Ten & Some More Problems & Investigations in Session 1. The Number in My Pocket Warm Up is omitted.
2. Part 3 is an extension that invites students to build 2-digit numbers using virtual Unifix cubes grouped in stacks of tens and ones. This activity supports the Fifty or Bust! content of Sessions 2–4.

Part 1: Building Teen Numbers

Students make connections between the double ten-frame and Unifix cubes. They build teen numbers using Unifix cubes and write matching 10 and more addition equations.

You will need your copy of:

Google Slides: Building Teen Numbers (asynchronous or synchronous learning)

- English: preview | copy
- Spanish: preview | copy

1. Distribute the slides to students via Google Classroom, email, or another preferred method and ***make a copy for each student***.

If delivering asynchronously	**If delivering synchronously**
• Students self-pace through the slides. • Students make observations and connections between the double ten-frame and Unifix cubes. • Students listen to other students' ideas for building teen numbers using Unifix cubes. • Students look at a teen number on a double ten-frame card, build the number and write a matching 10 and more equation. • Have students turn in their completed slides when finished. • Prior to Part 2, review students' work. Notice how students built given numbers using Unifix cubes to learn about their counting strategies (eg: counting by 1s or counting on from 10).	• Start a Zoom or Google Meet session. • Open the slides and share your screen. Students do not yet need to open their copy. • Facilitate a discussion with students about their observations of the Unifix cubes and double ten-frames. Use the "What do we observe" slide to guide the discussion if needed. • Ask students to think about how they might build 14 using Unifix cubes. • On the "How could you build 14" slide, reveal each students' work one at a time and discuss different approaches. • Use the "Directions" slide to explain the task, then have students open up their copy of the slides. • Students will look at a teen number on a double ten-frame card, build the number, and write a matching 10 and more equation. • Once students have completed the slides, facilitate a discussion about the counting strategies they used to build each number. ○ Alternatively, you might have students build each number simultaneously and discuss their strategies.

Part 2: Matching Teen Numbers

Students match 10 and more equations to double ten-frame and Unifix cube models of teen numbers.

You will need your copy of:

Google Slides: Matching Teen Numbers (asynchronous or synchronous learning)

- English: preview | copy
- Spanish: preview | copy

1. Distribute the slides to students via Google Classroom, email, or another preferred method and ***make a copy for each student***.

If delivering asynchronously	**If delivering synchronously**
• Students self-pace through the slides. • Students match double ten-frame cards (within 20) to the corresponding equation. • Students write 10 and more equations that match a given number of Unifix cubes. • Have students turn in their completed slides when finished.	• Start a Zoom or Google Meet session. • Open the slides and share your screen. Students do not yet need to open their copy. • You might facilitate the matching activity as a whole group or invite students to open up their copy of the slides to match independently. • Explain the directions for the second part of the activity, then invite students to solve independently. • Have students turn in their completed slides when finished.

2. Prior to Part 3, review student work to determine if students wrote accurate equations to represent the given Unifix cubes.

Part 3: Tens & More

Students make the connection that not only teen numbers are built using groups of 10. Students will build decade numbers using Unifix cubes.

You will need your copy of:

Google Slides: Tens & More (asynchronous or synchronous learning)

- English: preview | copy
- Spanish: preview | copy

1. Distribute the Google Slides to students via Google Classroom, email, or another preferred method and ***make a copy for each student***.

If delivering asynchronously	**If delivering synchronously**
• Students self-pace through the slides. • Students consider what numbers greater than 10 are made of groups of 10. • Students build decade numbers using Unifix cubes. • Students are also prompted to build 16 and 36 using Unifix cubes as a precursor to learning about base-ten numbers. • Have students turn in their completed slides when finished.	• Start a Zoom or Google Meet session. • Open the slides and share your screen. Students do not yet need to open their copy. • Using the "What do you observe?" slide, facilitate a discussion with students to help them begin to see groups of ten in the Unifix cubes. • Ask students "*What numbers have groups of ten in them?*" Let students know that they will build using Unifix cubes to explore this question. • When students understand the task, have them open their copy of the slides and build decade numbers using the Unifix cubes. • Have students turn in their completed slides when finished. • Close the session by returning to the earlier question, "*What numbers have groups of ten in them?*" Use the last slide to compare 16 and 36, helping students to notice the groups of 10s and 1s shown with Unifix cubes.

2. Review student work to gauge student understanding of building decade numbers.