

## **Professor Pete's Gadgets: Ten Frames**

**TEN FRAMES** 

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This interactive teaching app has a powerful function that allows for addition to be shown on Ten Frames.

## Intended learning outcomes:

- Demonstrate familiarity with addition number facts within 0 to 20
- Demonstrate addition strategies to 20 with visual prompts

## Main Interface:







## Addition to 20 Using Ten Frames



Lesson Plan: Introduction to addition strategy; e.g.,

- 1. **Close** the EQUATION, NAME and NUMERAL boxes
- 2. Make sure that double ten frames are selected
- 3. Enter an equation such as "5 + 5" on the keypad
- 4. **Discuss** how double 5 is 10 (a fact already known). It is a full ten frame.
- 5. **Enter** an equation such as "6 + 6" on the keypad
- 6. **Discuss** how double 6 is double 5 and double 1 making 10 and 2 more (point to the full ten frame of double 5 and then the double 1). It is a full ten frame and 2 more, 12.
- 7. Show strategy for Doubles to double numbers larger than 5 think of doubling the "extras", this is the ones above 5, one full frame of 10 and ones. You will need to enter other numbers such as <u>"7 + 7" or "8 + 8" (It is really important that students are familiar with both the pairs and</u>

CLASSROOM Open th 8. 9. Check This is a 10. Discus er 5 results PREVIEW in doub Subscribe today for a whole year's access to ALL our worksheets and videos! Already a subscriber? Log in to download the full version of this worksheet. NUMERAL Double 5: Double 1: point to the double 5 is point to the double 1, the extra, 10, a full ten frame making 2. 10 + 2 = 12



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