## Subtraction to 20 Using Ten Frames 1

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

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

### Intended learning outcomes:

- Demonstrate familiarity with subtraction number facts within 0 to 20
- Demonstrate subtraction strategies to 20 with visual prompts
- Demonstrates two models for subtraction: "taking away" counters and the difference between two numbers





TEN FRAMES



# Subtraction to 20 Using Ten Frames 2



## Subtraction to 20 Using Ten Frames

#### **TEN FRAMES**

Lesson Plan: Introduction to subtraction strategy; e.g., 2" strategies

- Close the EQUATION, NAME and NUMERAL boxes 1.
- 2. Make sure that double ten frames are selected
- 3. **Enter** an equation such as 11 - 2 on the keypad
- Discuss how taking 2 can be found just by counting back 2 (skip count, no fingers!). 4.
- **Count back** pointing to the 2 counters that are subtracted. Look at the remaining number. 5.
- 6. **Ask** students to visualise the 2 being taken away.
- 7. **Open** the EQUATION, NAME and NUMERAL box
- 8. **Check answers**
- 9. **Discuss** what is shown in the equation box.
- 10. Repeat PROFESSOR PETE'S CLASSROOM This is a PREVIEW Subscribe today for a whole 11 – 2: point to the 11 year's access to ALL our counters taken worksheets and videos! ubtract 2): e equation is Already a subscriber? Log in to download the full version of this worksheet. 2 **Lesson/Plan/** Introduction to the **difference of 2 strategy**; e.g., "Difference of 2" facts Select "Number Facts" in the toolbox, "-" and then "Diff 2" 1. 2 **Discuss** how the counters show the 8 - 6 = 2 difference of 2 between the two numbers 3. **Point** to the connection between the difference of 2 and the answer of 2. Draw children's attention to the close 4. proximity of the numbers 4 and 6 on a number line. 5. Encourage students to find the difference of 2 when looking at numbers that are close to each other, rather then to count back the 6 (as seen by the -6) This strategy is a much more efficient way to learn these number facts.
  - Repeat with other numbers: click the 6.
- button for more "difference of 2" equations.





the "count back 2" and "difference of