

# Book Title: 12 Ways to Get to 11 by Eve Merriam Grade Levels: K-3

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## Learning Outcomes:

### Kindergarten

- A2 Recognize at a glance and name familiar arrangements of 1 to 5 objects or dots.
- A3 Relate a numeral, 1 to 10, to its respective quantity
- A4 Represent and describe numbers 2 to 10, concretely and pictorially.

### Grade 1

- A1 Say the number sequence, 0 to 100
- A2 Recognize at a glance, and name familiar arrangements of 1 to 10 objects or dots.
- A4 Represent and describe numbers to 20 concretely, pictorially and symbolically.

### Grade 2

- A1 Say the number sequence, 0 to 100
- A4 Represent and describe numbers to 100 concretely, pictorially and symbolically.

### Grade 3

- A4 Represent and describe numbers to 1000 concretely, pictorially and symbolically.

## Materials:

- Counters as needed
- Book: 12 ways to Get to 11 by Eve Merriam

## Lesson Ideas:

1. Warm-up students with a game of 'Finger Flash' – K, 1 and 2
  - children partner up
  - one child prepares his/her hands (behind back) with some fingers showing, for example 2 on one hand and 3 on the other
  - child flashes briefly his/her fingers to the partner – watch carefully for flashes that are a reasonably length of time rather than a blur.
  - the partner calls out the total "5" and then "2 plus 3 equals 5"
  - Note: During demonstration of the game, discuss other ways to create a sum of 5
  - Change roles

Alternate activity for 2/3 – guess my number

2. With the children, discuss the cover of the book and explain to the children that they need to watch and listen the meaning behind the title. Make predictions.
3. Read the story – as the objects are presented, have students count and track the amounts. Record each equation, and use the terms addend, sum, equation. Vary the position of the sum in the equation.
4. At the midpoint in the book – have the children predict how many ways it is possible to get a sum of the 11.
5. Demonstrate the work sheet and the need to include picture words and a math equation for each situation.
6. As the children demonstrate understanding of the task, give them 'sum challenges' Ways to Get 30 or 120 where appropriate. Demonstrate 'shortcuts' to those ready for larger numbers.
7. Debrief with a recap of the strategies demonstrated and shared in the class.