

# Are You Lost? A Road Map to Problem Solving



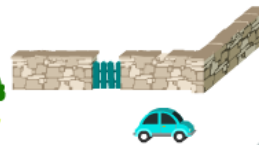
## Travel Itinerary

- Problem Solving Models
- Ideas All Around Us
- Student Ownership
- Getting the "Trip" Started



## Story Problem Types

- Our regularly ready instruction
- Story Problem Types/IST



## Student Ownership

- Act on Engagement
- Creating the personal plan
- Assessment of student understanding
- Mathematical Practices
- Math habits
- Student Ownership
- Student Ownership



## Structures

- Whole Group
- Small Group
- Individual Binders
- QR Codes
- Tech Tools



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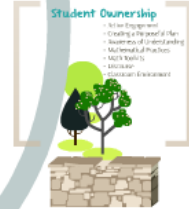
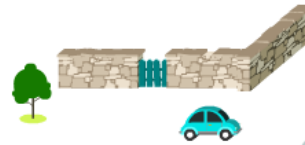
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## Story Problem Types

- Call Agencies Ready to receive
- Story Problem Types (CCO)



## Student Ownership

- Student Engagement
- Creating the "Map" of the
- Assessment of Understanding
- Mathematical Practices
- Math Models
- Collaboration
- Student Ownership



## Structures

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Self-reflection presentation at the conference kept [www.ontario.org/learning](http://www.ontario.org/learning)

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# School Model

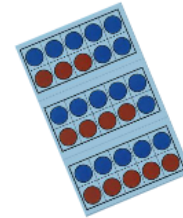
1. Read the story problem



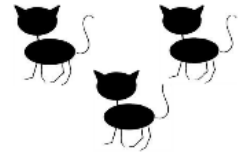
2. Retell the problem



3. More or less?



4. Pictures



5. Numbers



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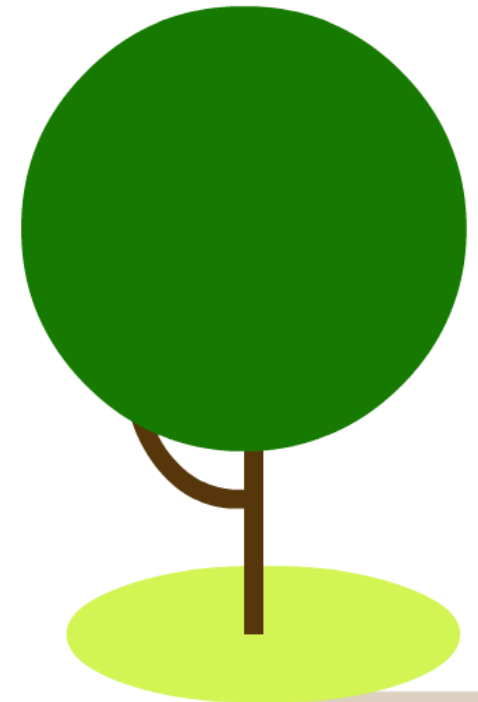
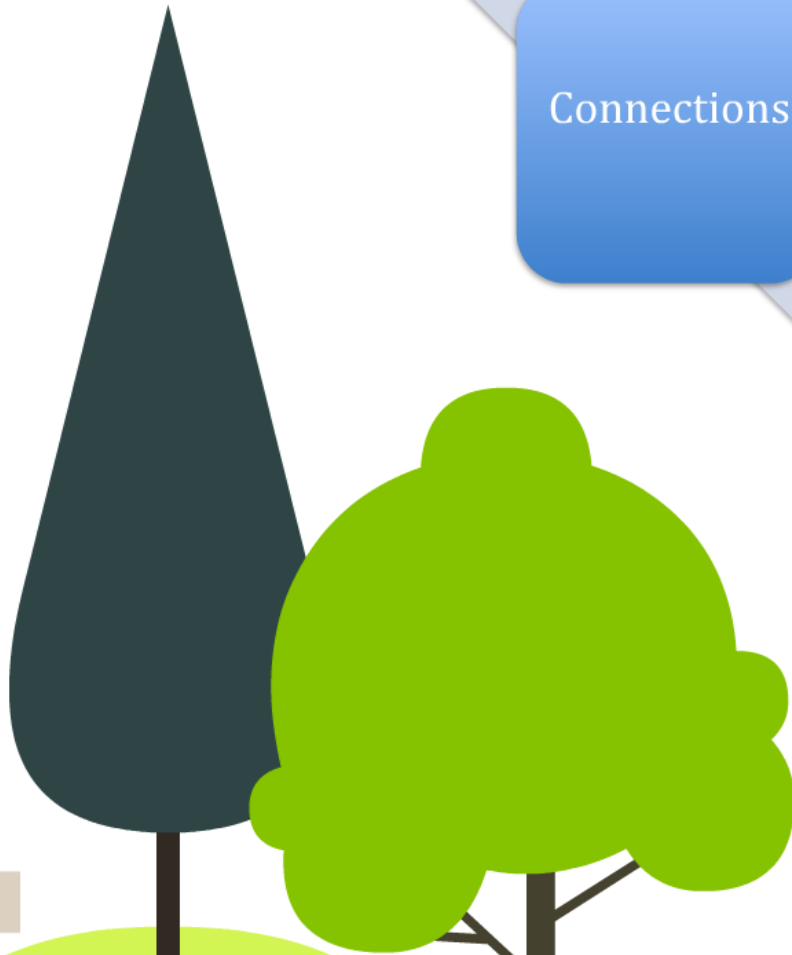
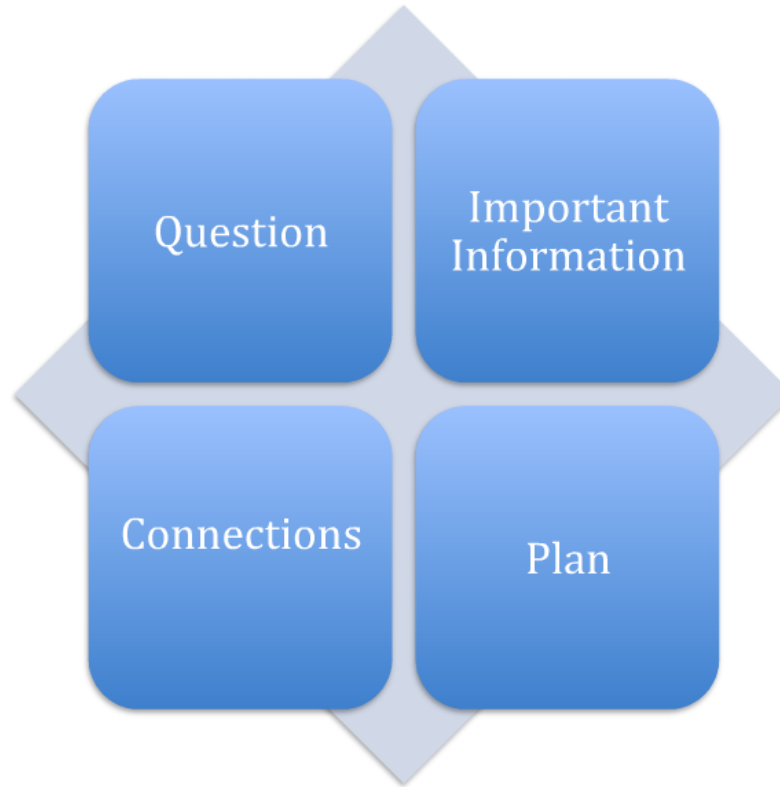
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6. Words

I counted on from 7, 8, 9, 10.  
There are \_\_\_\_\_ squirrels in all.

# Four Corners Model



# Story Problem Types

- CGI-Cognitively Guided Instruction
- Story Problem Types-CCSS





What are you  
wondering?

# Student Ownership

- Active Engagement
- Creating a Purposeful Plan
- Awareness of Understanding
- Mathematical Practices
- Math Toolkits
- Discourse
- Classroom Environment







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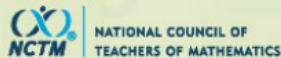
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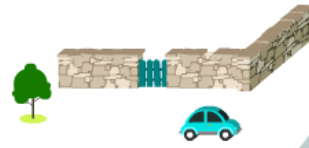
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