

THINKING WITH NUMBERS

Lesson Descriptions

Explore With Word Problems

Practical everyday situations provide the context for understanding addition and subtraction. Each of the 11 different problem structures, as identified by *Cognitively Guided Instruction*, is explored in this section of lessons. Children solve word problems, create word problems, and after animations to illustrate the structure, figure out the unknown amount that is hidden under a cloud.

Expected content outcomes include helping children learn:

- solve problems for each of the 11 different problems structures for addition and subtraction in the context of word problems about everyday situations and animations that illustrate the structure,
- to represent those situations with models and symbols for addition and subtraction,
- to create and solve word problems to match given conditions, and
- to recognize when addition, and subtraction can be used to solve everyday situations.

