

Story Builders Answer Key

Answers will vary. Accept any realistic word problem that:

1. Uses addition to combine 3.45 and 2.8 for a total of 6.25.
2. Uses subtraction to find the difference between 9.5 and 4.35, resulting in 5.15.
3. Uses multiplication with 6 equal groups of 1.75 to make 10.5.
4. Uses division to share 18.4 equally among 8 groups, resulting in 2.3 per group.
5. Uses addition to combine 5.6 and 3.25 for a total of 8.85.
6. Uses subtraction to find the remaining amount after removing 6.75 from 14.2, resulting in 7.45.
7. Uses multiplication with 5 equal groups of 2.4 to make 12.
8. Uses division to split 16.8 equally into 4 groups, resulting in 4.2 per group.

Teacher's Guide

- Model one example before students begin by turning an equation into a short real-world story.
- Encourage students to include a clear question at the end of each story problem.
- Remind students that the numbers, operation, and answer must match the given equation.
- Support students by suggesting familiar contexts such as shopping, sports, cooking, travel, or science.
- Have students exchange papers with a partner to solve each other's story problems and verify that they match the equation.
- Extend the lesson by asking students to write one additional decimal equation of their own and create a matching word problem for it.