

Lesson 9: Multiplication as Equal Groups

- Let's work with equal groups of things.

Warm-up: Number Talk: More Addition

Find the value of each expression mentally.

- $40 + 35$

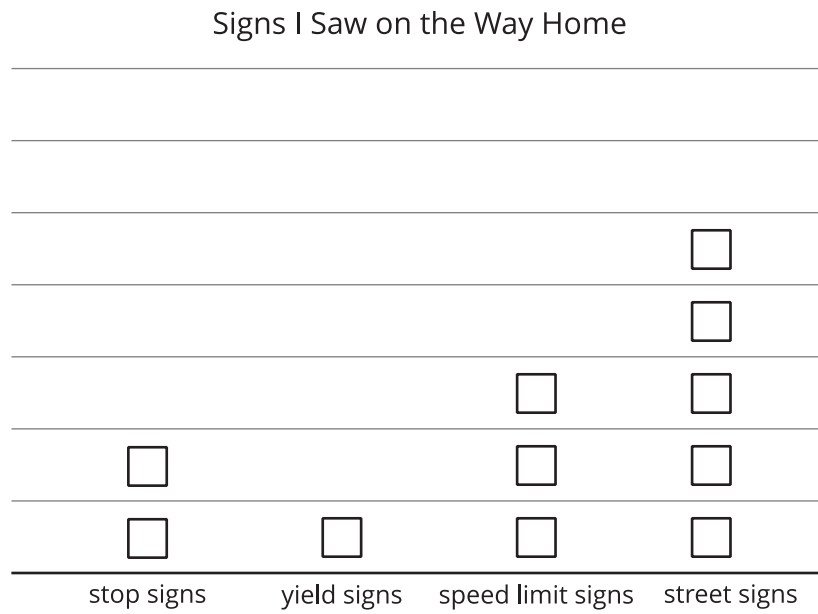
- $45 + 35$

- $45 + 36$

- $34 + 58$

9.1: From Scaled Graphs to Equal Groups

Elena collected data about the kind of signs she saw on the way home. The data is shown in this picture graph:



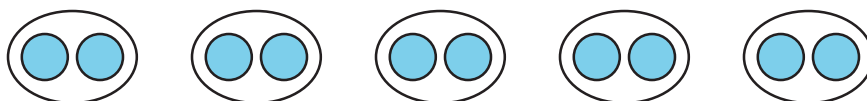
Each represents 2 signs.

1. Represent the number of speed limit signs Elena saw on the way home.

2. Which statement describes the number of speed limit signs Elena saw? Explain your reasoning.

- A. There are 3 pictures and each picture represents 1 speed limit sign.
- B. There are 3 pictures and each picture represents 2 speed limit signs.
- C. There are 2 pictures and each picture represents 2 speed limit signs.

3. How could this drawing represent the street signs Elena saw on the way home?



9.2: Equal Group Situations

Represent each situation.

1. There are 4 people wearing shoes. Each person is wearing 2 shoes.

2. There are 2 boxes of markers. Each box has 10 markers.

3. There are 3 basketball teams. Each team has 5 players.