

# How to Pass the FSA Math: 3<sup>rd</sup> Grade

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## Focus: MAFS.3.MD.2.3

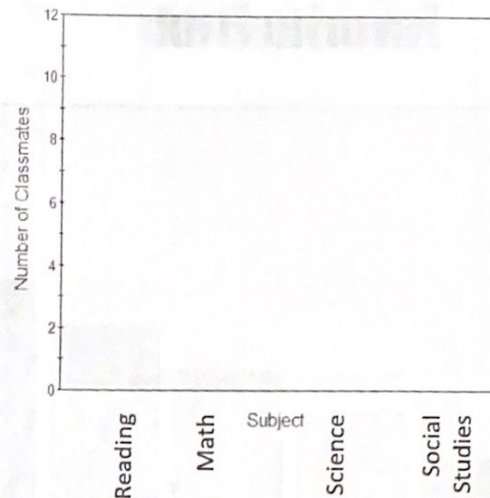
Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one – and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs.

### Practice Makes Improvement – Level 1

#### Example 1:

Arianna surveys her classmates about their favorite subjects in school, as shown in the table.

Favorite Subjects in School	
Reading	7
Math	7
Science	6
Social Studies	2



Part A: Draw bars on the bar graph to represent the data from the table.

Part B: How many more students prefer Science than Social Studies?

Item Type: GRID/ Equation Editor

#### Example 2:

Duwan surveys other students about their favorite games, as shown in the table.

Favorite Games	
Checkers	2
Connect Four	8
Mancala	3
Sorry	7

Checkers	X X X X X X X X X X
Connect Four	X X X X X X X X X X
Mancala	X X X X X X X X X X
Sorry	X X X X X X X X X X

Part A: Bold the Xs in each row to create a pictograph that represents the data.

**Key**  
X = 2 students

Part B: How many fewer students prefer Mancala compared to Sorry?

Item Type: GRID/ Multiple Choice

## Focus: MAFS.3.MD.2.3

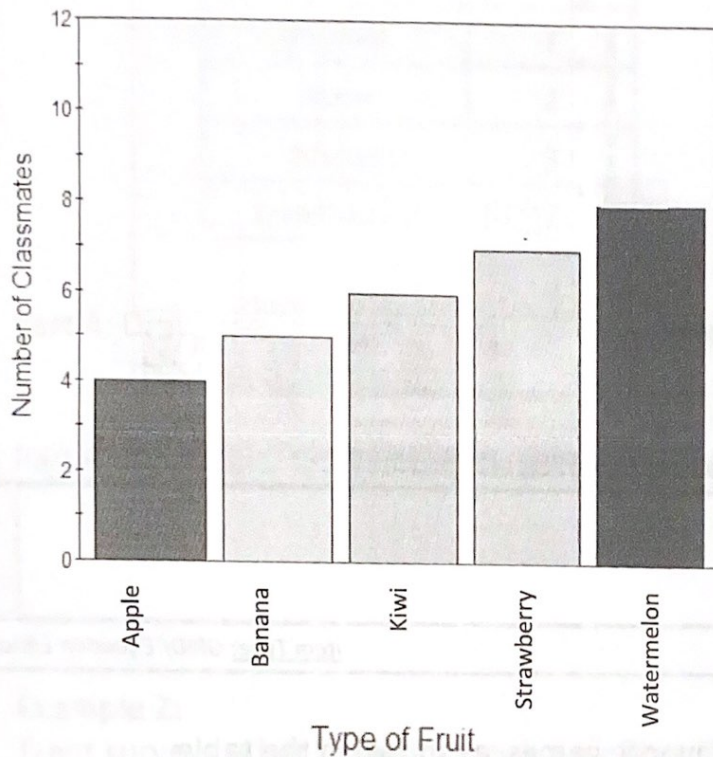
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### Practice Makes Improvement – Level 1

#### Example 3:

Elijah surveys his classmates about their favorite fruit, as shown in the bar graph below.

**Favorite Fruit**



Use the bar graph to complete the table.

Favorite Fruit	
Apple	
Banana	
Kiwi	
Strawberry	
Watermelon	

*Item Type: Table Item*

#### Example 4:

How many more students prefer watermelon than apple in Example 3?

- 2
- 3
- 4
- 5

*Item Type: Multiple Choice*