How to Pass the FSA Math: 3rd Grade

Focus: MAFS.3.MD.2.3

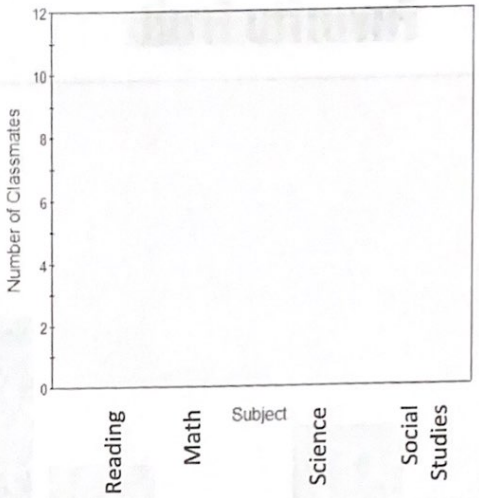
Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one – and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs.

Let Me Teach Ya! (Video Lesson)

Example 1:

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

Favorite Subjects in School	
Reading	4
Math	9
Science	2
Social Studies	3



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

Part B: How many more students prefer Math than Science?

Item Type: GRID/ Equation Editor

Example 2:

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

Favorite Games	
Checkers	1
Connect Four	5
Mancala	6
Sorry	4

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

Key
X = 2 students

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

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

Item Type: GRID/ Multiple Choice

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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.

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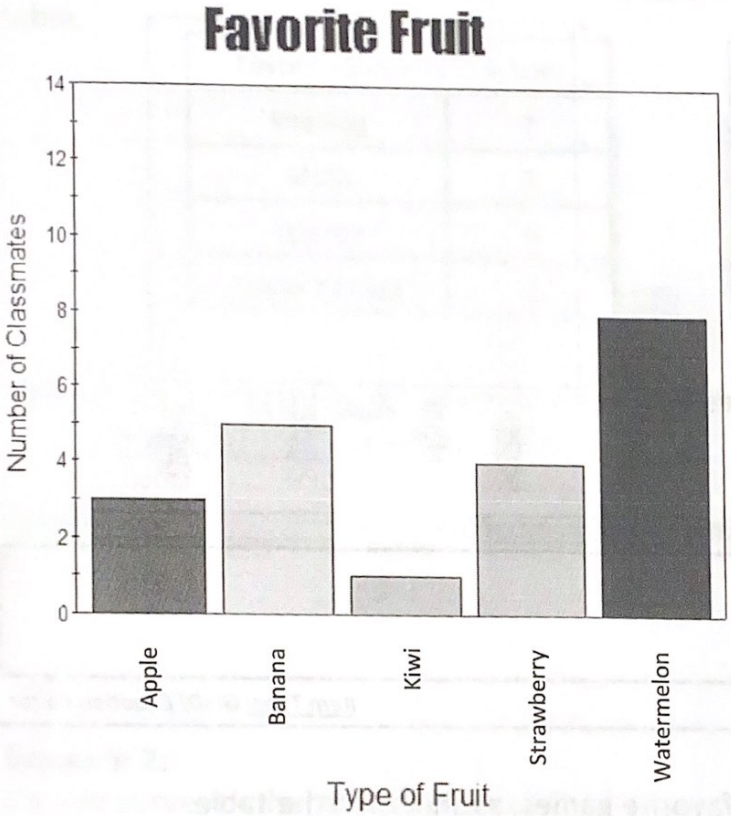
Example 3:

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



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 banana than apple in Example 3?

a. 2
b. 3
c. 4
d. 5

Item Type: Multiple Choice

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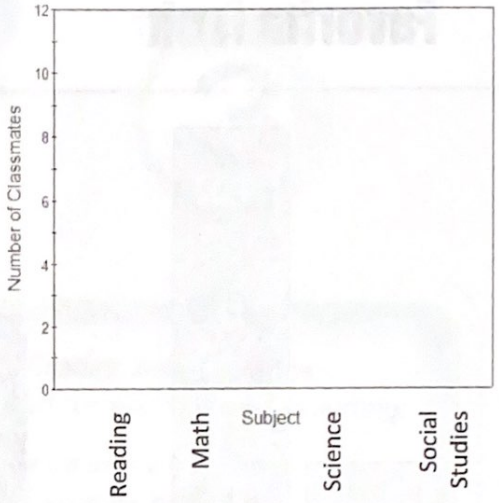
Practice Makes Improvement - Level 2

Example 1:

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

Favorite Subjects in School	
Reading	7
Math	2
Science	3
Social Studies	6



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

Part B: How many fewer students prefer Social Studies compared to Reading?

Item Type: GRID/ Equation Editor

Example 2:

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

Favorite Games	
Checkers	11
Connect Four	14
Mancala	17
Sorry	10

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 Checkers compared to Connect Four?

Item Type: GRID/ Multiple Choice

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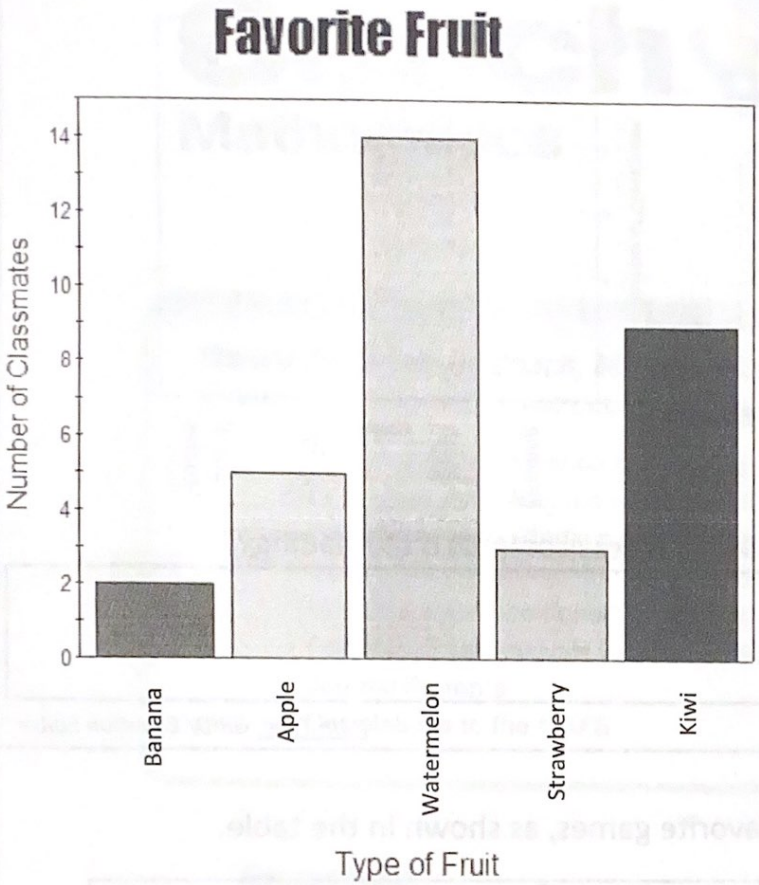
Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one – and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs.

Practice Makes Improvement – Level 2

Example 3:

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



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 strawberry in Example 3?

a. 5
b. 7
c. 9
d. 11

Item Type: Multiple Choice