

# LEAP CONNECT

Sample

**Mathematics Constructed Response**

Reference Materials

Grades 3-8, 11

The *LEAP Connect Sample Mathematics Reference Materials* includes the graphics and charts needed to complete the math sample constructed response items. *The LEAP Connect Sample Mathematics Constructed Response Directions for Administration* contains instructions that detail when to present an item to the student, as well as sample answers and scoring rubrics.

The following is a list of the item-specific reference materials.

*Item 1*

- [Jim's Things](#)
- [Jim's School Supplies Table](#)

*Item 2*

- [Piece of Bread and Fraction](#)
- [Fraction Squares](#)
- [Fraction Chart](#)

*Item 3*

- [Multiplication Array](#)
- [Array Blanks](#)
- [Flip Flop Arrays](#)

*Item 4*

- [Shapes](#)
- [Shape Chart](#)

*Item 5*

- [Lucy's Cupcakes](#)

*Item 6*

- [Ways Students Get to School Table](#)
- [Ways Students Get to School Chart](#)

*Item 7*

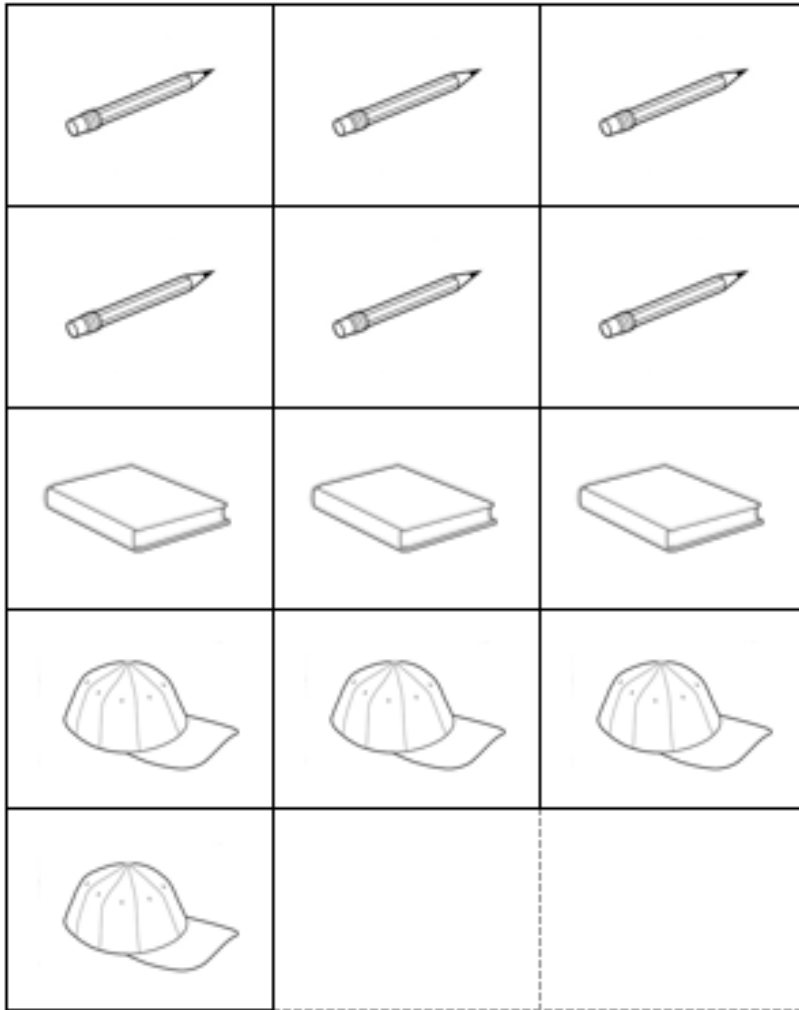
- [Coordinate Grid](#)

*Item 8*

- [Sample Triangles](#)
- [Triangles](#)

*Item 9*

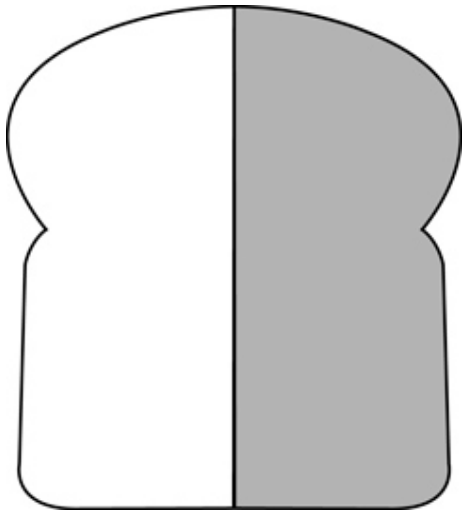
- [Histogram](#)



Jim's Things

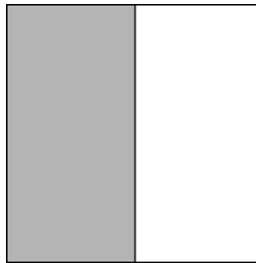
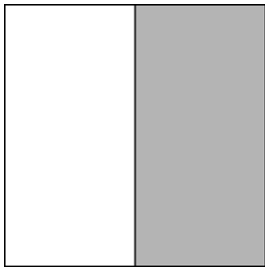
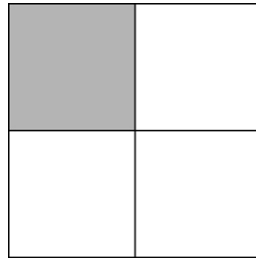
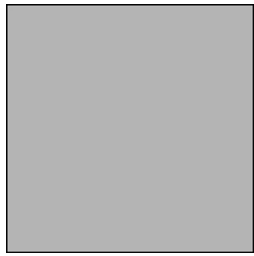
Pencils	Books	Hats

Jim's School Supplies Table

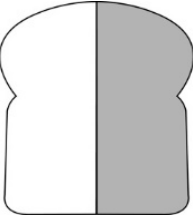


$$\frac{1}{2}$$

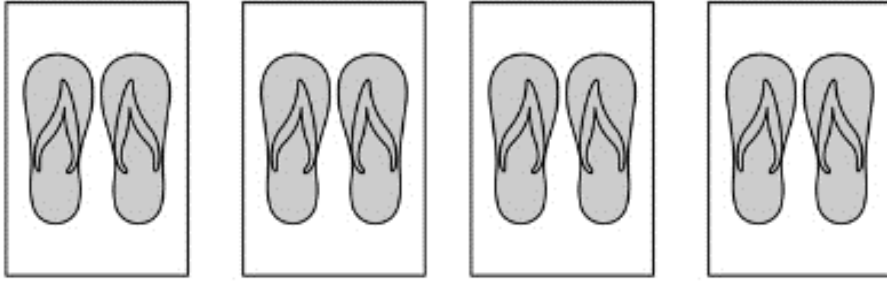
Piece of bread and Fraction



Fraction Squares

Fraction	Image
$\frac{1}{2}$	
$\frac{1}{4}$	

Fraction Chart



$$2 \times 4$$

Multiplication Array

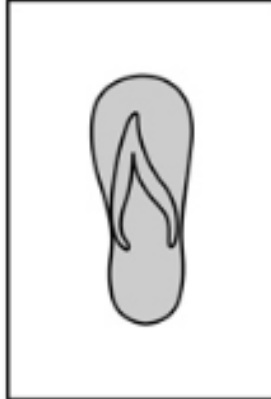
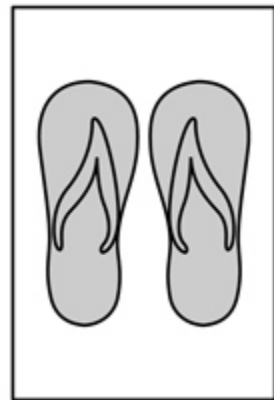
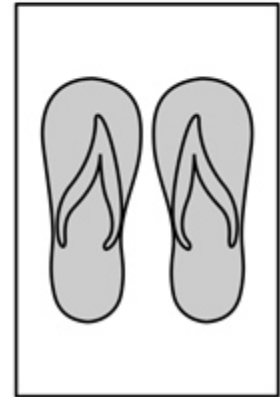
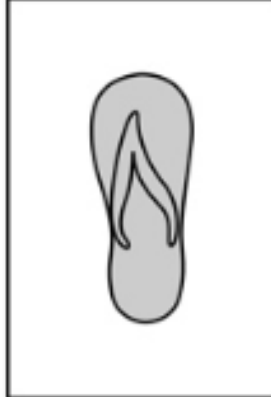
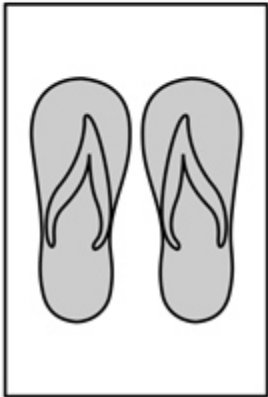
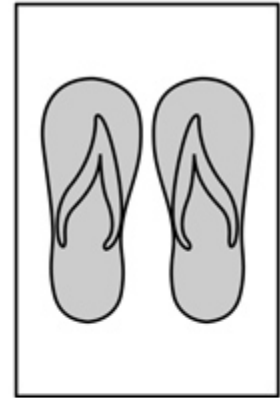
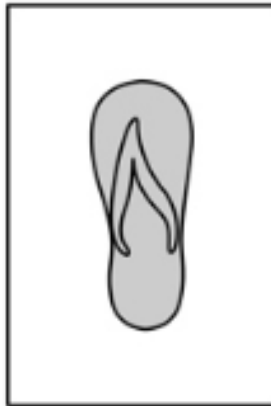
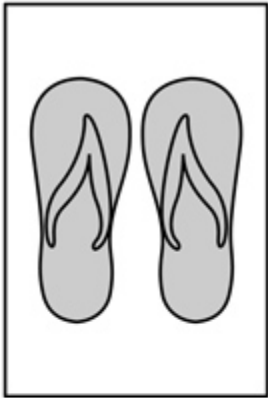


**2 X 2**

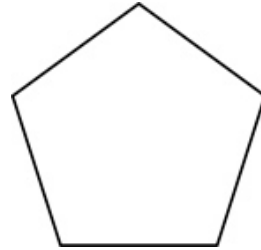
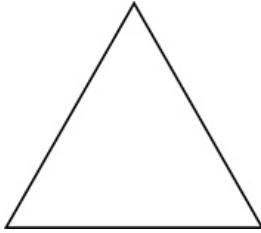
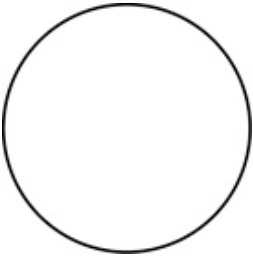
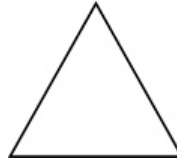
**2 X 3**

**1 X 3**

Array Blanks



Flip Flop Arrays



Shapes

## Shapes with Exactly Three Sides



Shape chart

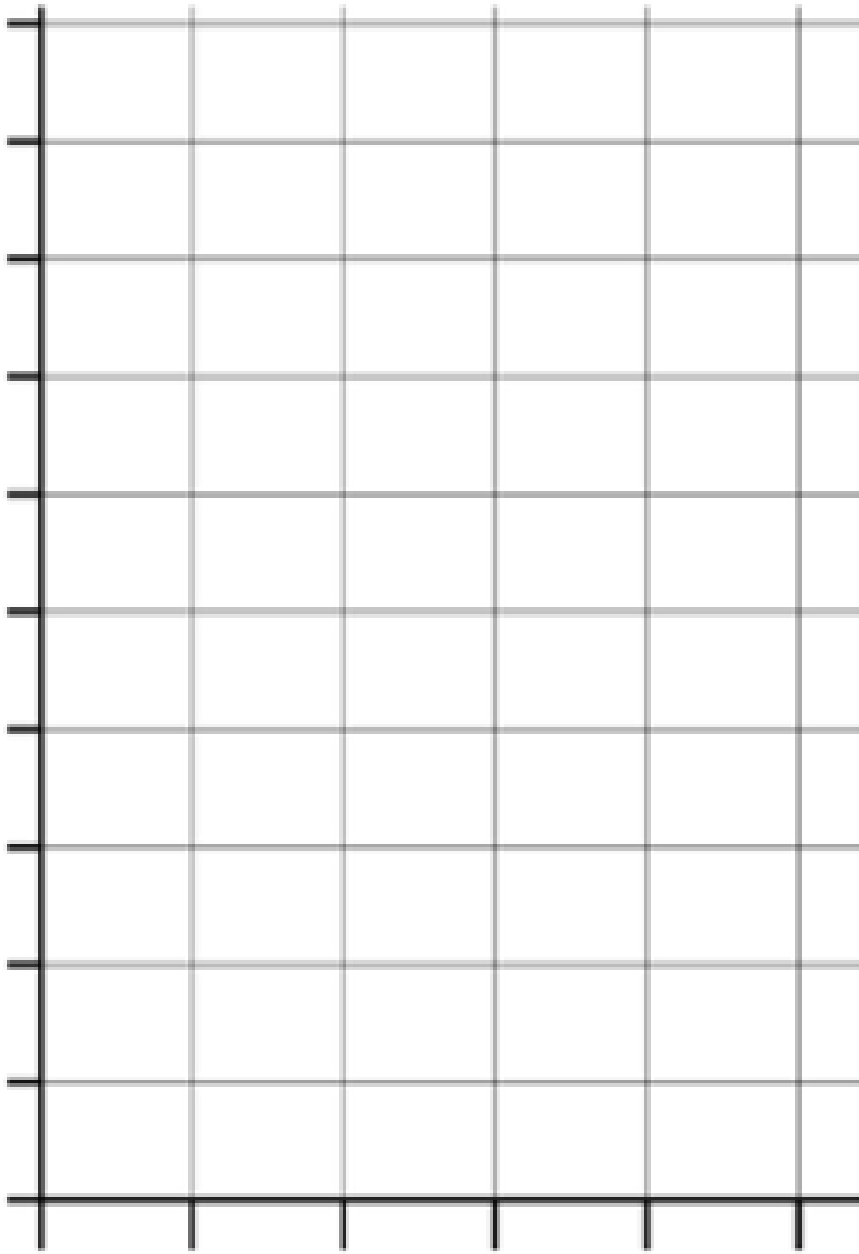


Lucy's Cupcakes

<b>Ways Students Get to School</b>	<b>Number of Students</b>
ride on a bus	7
ride their bike	5
walk	3

Ways Students Get to School Table

# Ways Students Get to School



bus



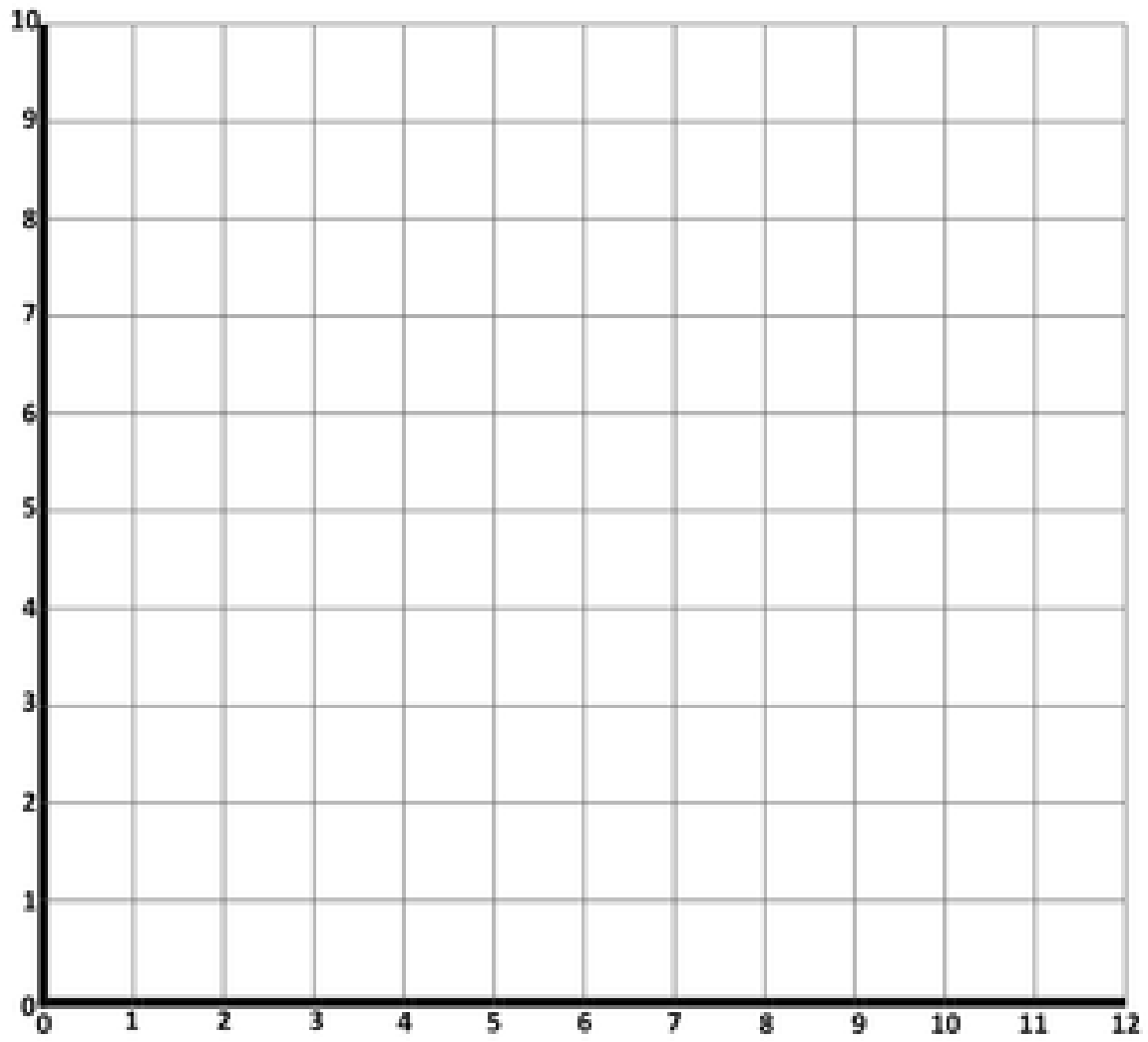
bike



walk

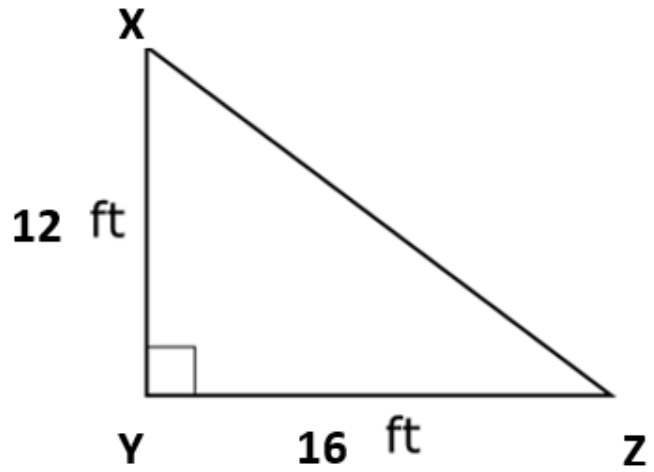
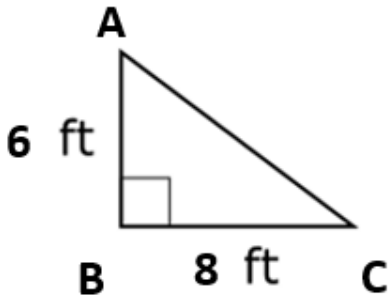


Ways Students Get to School Graph

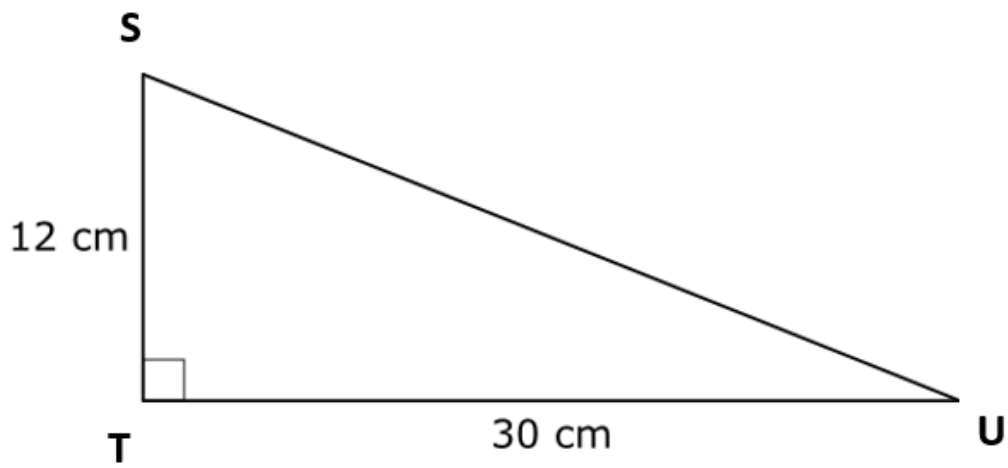
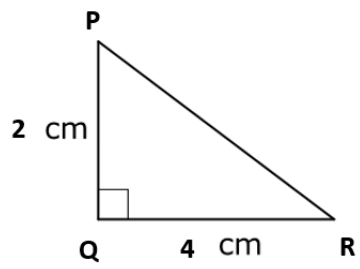
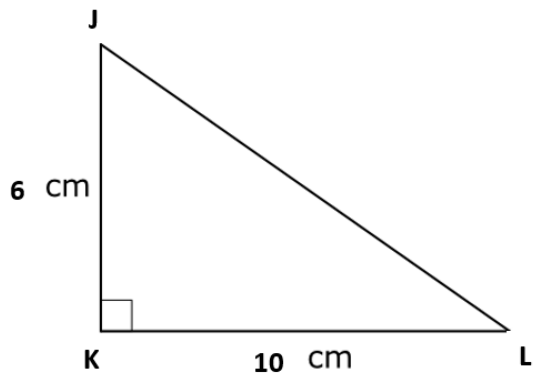
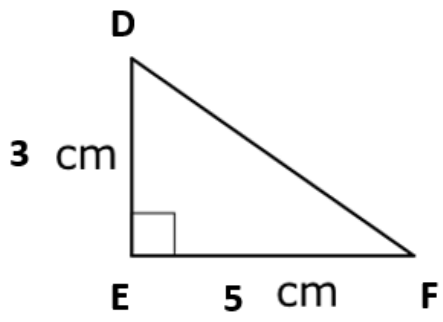


Coordinate Grid





Sample Triangles



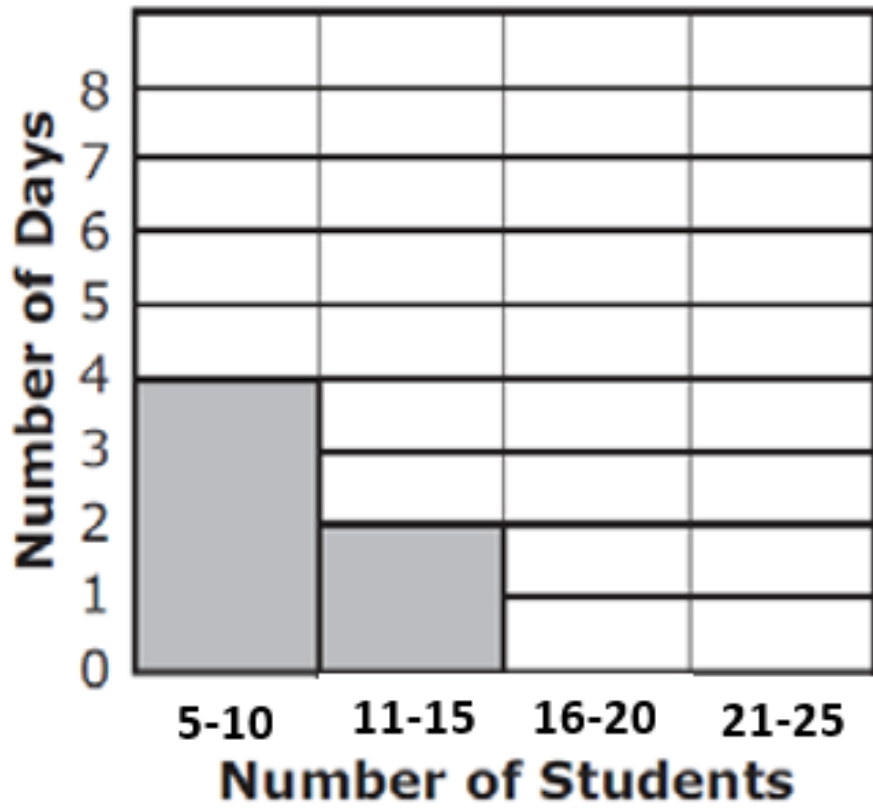
Triangles

## **Spanish Club**

**6, 7, 8, 10, 11, 15, 16, 18, 19, 25**

Data Values

### Spanish Club



Histogram