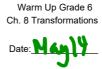
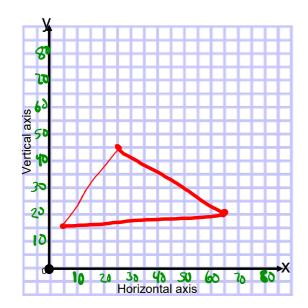
Lesson 1 Day 2







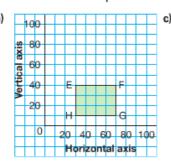
plot in order and connect as you go (5,15), (25, 45), (65, 20), close the shape

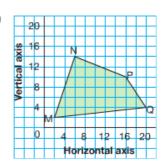
What shape did this make?

Triangle

Practice

1. Write the coordinates of the vertices of each shape.





J(5,9)

K(8,1)

F(70,40)

H(30,10)

N(6,14)

P(16,10)

Q(20,4)

Find the length of each line segment on this coordinate grid.Describe the strategy you used.

10 9 B(1, 8)



AB is 7 units (I counted the vertical blocks)

or

Given the coordinates I took the y value and subtracted 8-1 = 7 units

CD is 4 units (I counted the vertical blocks)

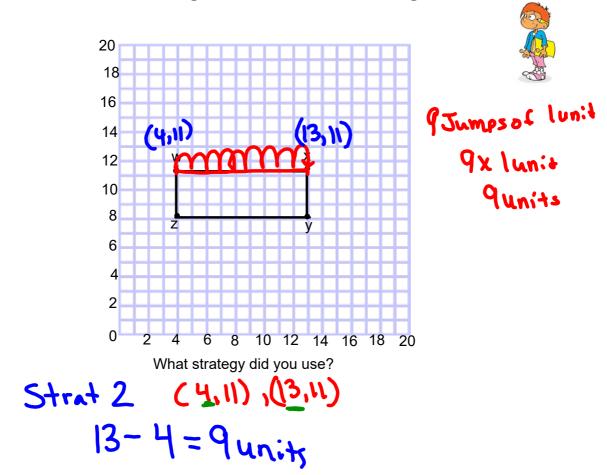
or

Given the coordinates I took the x value and subtracted 9-5 =4 units

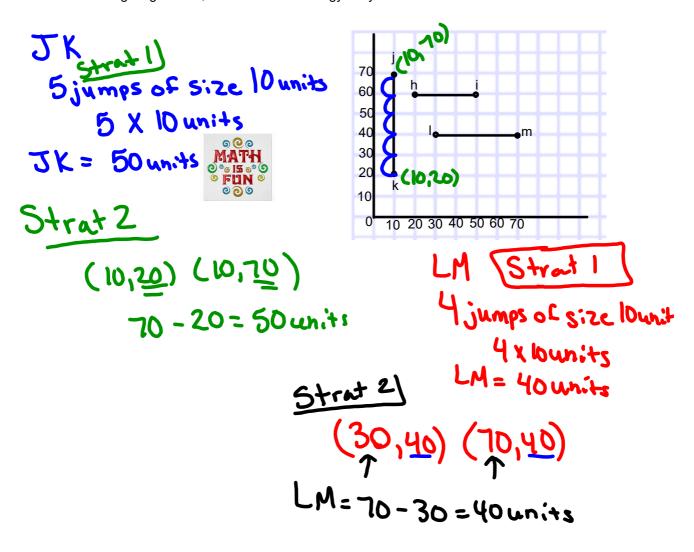
GH is 6 units (I counted the horizontal blocks)

6 Jumps of Size | unit 6 x lunit 6 units.

What is the length of the line segment WX



Find the following lengths JK, and LM What strategy did you use?



Bass/Forework

page 293-294 #3, #4, #6, #8, #9

Po on grid param

Gr 6 Math Ch 8 Transformations Lesson 1 Drawing Shapes on a Coordinate GridNDay 124,n20e19ook

- 3. Copy this grid.
 - a) Plot each point on the grid.

A(10,5) B(5,15) C(10,25)

D(20, 25)

E(25, 15) F(20, 5)

- b) Join the points in order. Then join F to A.
- c) Describe the shape you have drawn.

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Gr 6 Math Ch 8	Transformations	Lesson 1 Drawing	Shapes on a	Coordinate	Grid Many 12	4n 20di9 ook
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- 4. Draw and label a coordinate grid.
 - a) Plot each point on the grid.What scale will you use? Explain your choice.

J(4, 2) K(4, 10) L(10, 12) M(10, 4)

b) Join the points in order. Then join M to J. Describe the shape you have drawn.

Gr 6 Math Ch 8 Transformations Lesson 1 Drawing Shapes on a Coordinate Grid NDay 124 դ ∂6di9 ook
5. Draw a shape on a coordinate grid.
Each vertex should be at a point where grid lines meet. List the vertices of the shape, in order.
Trade lists with a classmate. Use the list to draw your classmate's shape.

Gr 6 Math Ch 8 Transformations Lesson 1 Drawing Shapes on a Coordinate GridNDay 124,n20e19ook

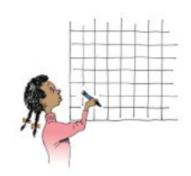
- 6. Draw and label a coordinate grid.
 - a) Plot each point on the grid.What scale will you use?Explain your choice.

A(10, 30) B(35, 30) C(35, 15) D(10, 15)

- b) Join the points in order. Then join D to A.
 Describe the shape you have drawn.
- c) Find the length of each side of the shape. Show your work.

Gr 6 Math Ch 8 Transformations Lesson 1 Drawing Shapes on a Coordinate GridNDay 124,n20d19ook

- 7. Draw and label a coordinate grid.
 - a) Plot the points A(5, 1) and B(5, 5). Join the points.
 - b) Find point C so that △ABC is isosceles. How many different ways can you do this? Draw each way you find. Write the coordinates of C. How do you know each triangle is isosceles?
 - c) Find point D so that △ABD is scalene. Show 3 different scalene triangles. Write the coordinates of D. How do you know each triangle is scalene?



Gr 6 Math Ch 8 Transformations Lesson 1 Drawing Shapes on a Coordinate GridNDay 124n 2019 ook

- 8. Draw and label a coordinate grid.
 - a) Plot these points: E(5, 1), F(3, 3), G(5, 6)
 - **b)** Find the coordinates of Point H that forms Kite EFGH. Explain the strategy you used.

Gr 6 Math Ch 8 Transformations Lesson 1 Drawing Shapes on a Coordinate Grid NDay 124 դ 20di9 ook
 9. The points A(10, 8) and B(16, 8) are two vertices of a square. Plot these points on a coordinate grid. a) What are the coordinates of the other two vertices? Find as many different answers as you can. b) What is the side length of each square you drew?