

Salad Dressing and Moving Boxes

Problem Card 1

A recipe for salad dressing uses oil and vinegar. Clare made a certain amount of this dressing. How much oil did she use?

Salad Dressing and Moving Boxes

Data Card 1

- The recipe calls for 4 parts oil.
- The recipe calls for 3 parts vinegar.
- The ratio of oil to vinegar in the recipe is 4 : 3.
- The ratio of vinegar to oil in the recipe is 3 : 4.
- Clare made a total of 28 teaspoons of dressing.

Salad Dressing and Moving Boxes

Problem Card 2

Andre and Han are moving boxes, each working at a constant rate. How long will it take Andre and Han to move all the boxes?

Salad Dressing and Moving Boxes

Data Card 2

- Andre can move 4 boxes every half hour.
- Han can move 5 boxes every half hour.
- The ratio of boxes moved by Andre to boxes moved by Han is 4 : 5.
- The ratio of boxes moved by Han to boxes moved by Andre is 5 : 4.
- There are 72 boxes that need to be moved.

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Info Gap: Sporting Goods
Problem Card 1

Elena went to a sporting goods store that was having a sale. She bought a tennis racket and 3 cans of tennis balls. How much will she pay for everything, including tax?

Info Gap: Sporting Goods
Data Card 1

- The tennis racket normally costs \$43.
- All tennis rackets are marked down 15%.
- One can of tennis balls normally costs \$4.
- The tennis balls are not marked down.
- The sales tax rate is 8.5%.

Info Gap: Sporting Goods
Problem Card 2

Andre went to a sporting goods store that was having a different sale. He bought a baseball glove and 2 packages of socks. What percentage of the total regular price (before tax) was his savings?

Info Gap: Sporting Goods
Data Card 2

- The baseball glove normally costs \$34.
- The baseball glove is not discounted.
- One package of socks normally costs \$6.
- On sale, one package of socks costs \$4.
- The sale tax rate is 7.75%.

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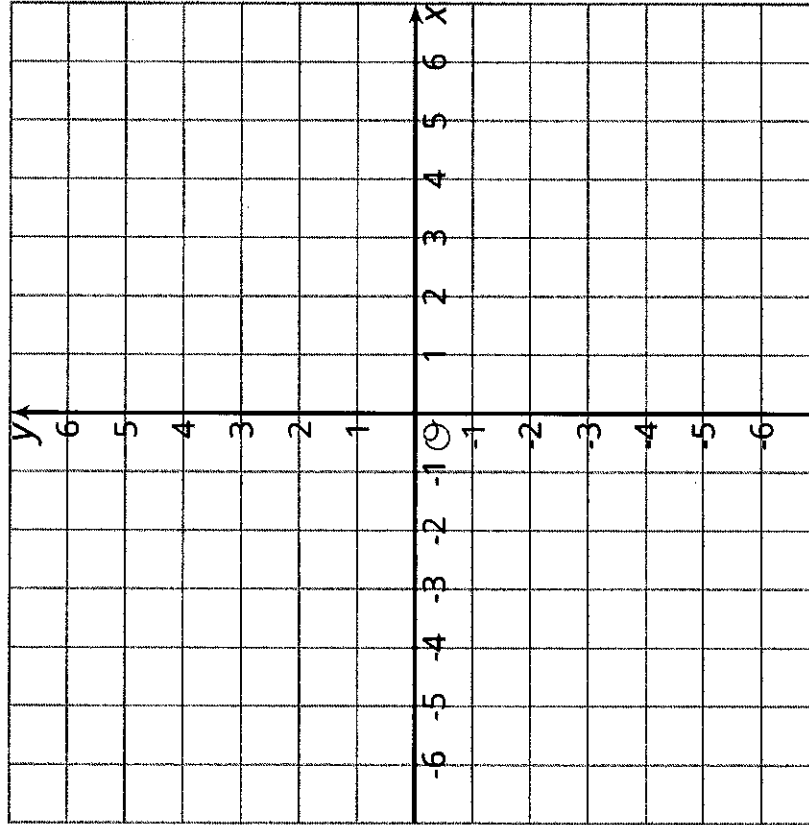
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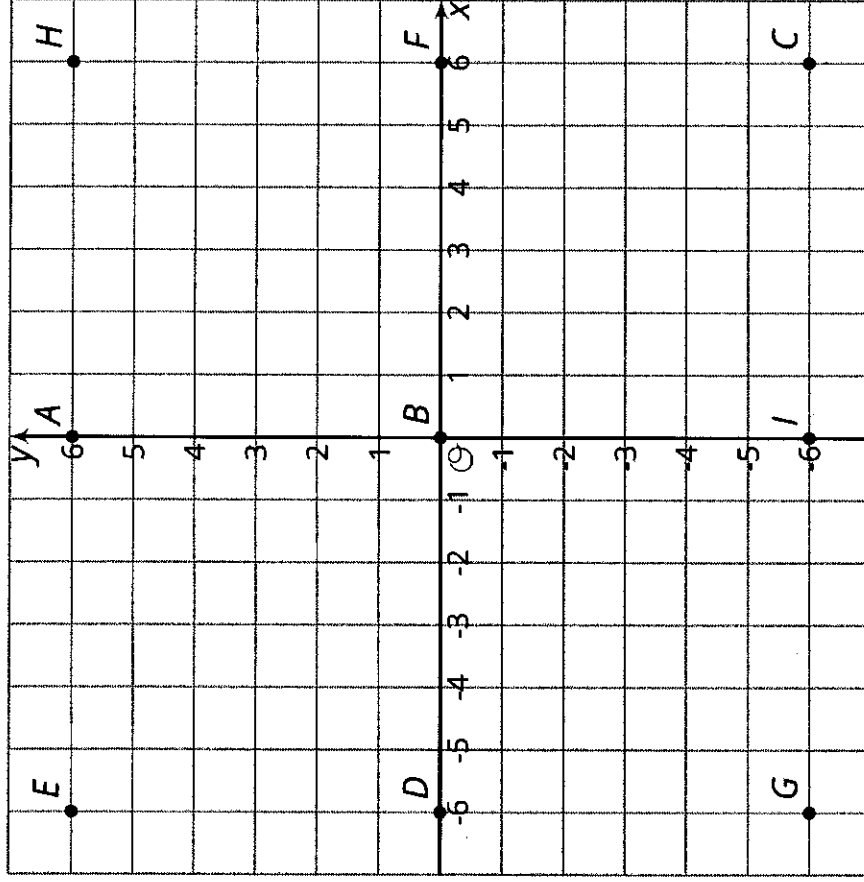
Problem Card 1

Polygon *AFID* is dilated.

Draw the image of *AFID* under this dilation.



Data Card 1



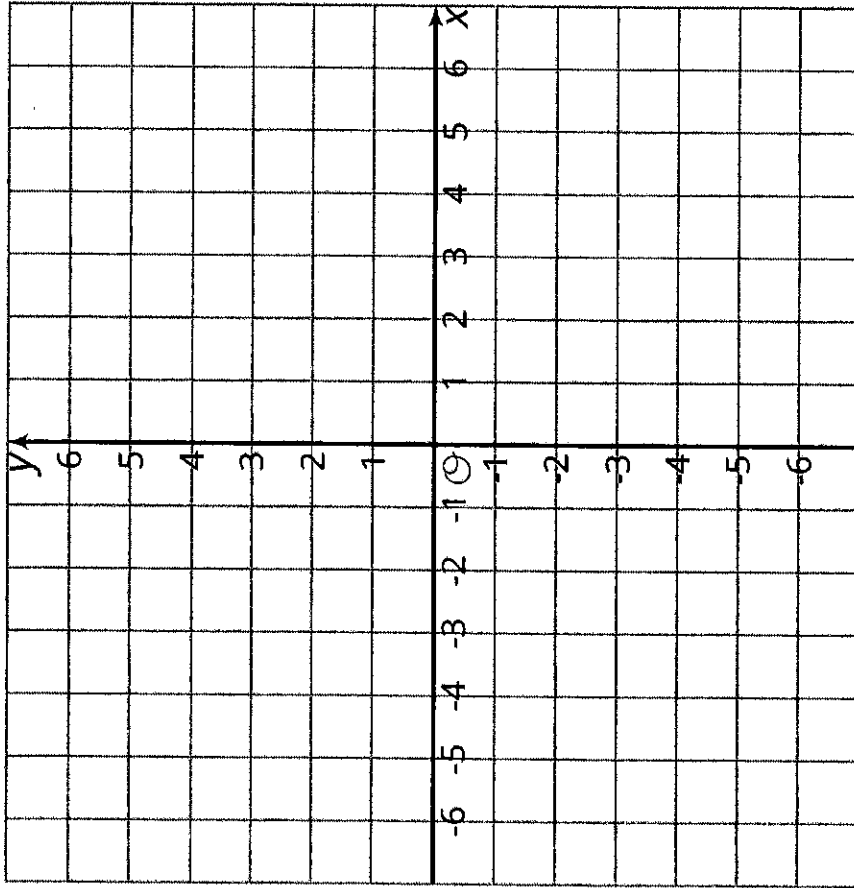
Center of Dilation: $(0, 0)$

Scale Factor: $\frac{1}{3}$

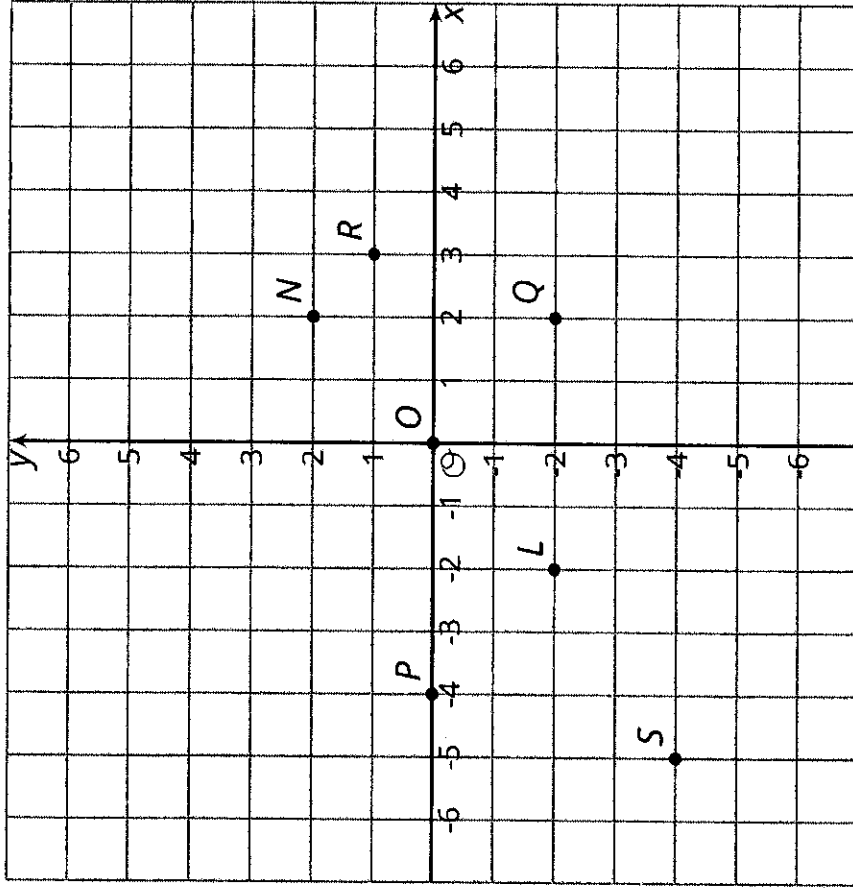
Problem Card 2

Polygon $ONPQ$ is dilated.

Draw the image of $ONPQ$ under this dilation.



Data Card 2



Center of Dilation: $(-4, 0)$

Scale Factor: $\frac{3}{2}$

Info Gap: Hot Chocolate and Potatoes

Problem Card 1

Jada mixes milk and cocoa powder to make hot chocolate. She wants to use all of the cocoa powder she has left. How much milk should Jada use?

Info Gap: Hot Chocolate and Potatoes

Data Card 1

- Jada's recipe calls for 3 cups of milk.
- Jada's recipe calls for 2 tablespoons of cocoa powder.
- Jada has 2 gallons of milk.
- Jada has 9 tablespoons of cocoa powder
- There are 16 cups in 1 gallon.

Info Gap: Hot Chocolate and Potatoes

Problem Card 2

Noah needs to peel a lot of potatoes before a large dinner. He has already peeled some potatoes. If Noah keeps peeling at the same rate, will he finish all the potatoes in time?

Info Gap: Hot Chocolate and Potatoes

Data Card 2

- Noah has already peeled 8 potatoes.
- Noah has been peeling for 10 minutes.
- Noah needs to peel 60 more potatoes.
- Noah needs to be finished peeling in 1 hour and 10 minutes.
- There are 60 minutes in 1 hour.

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