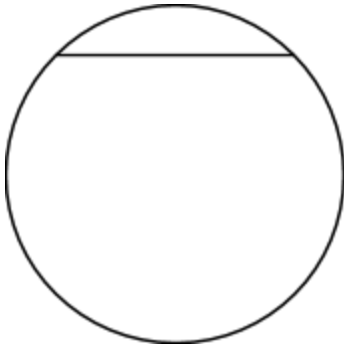
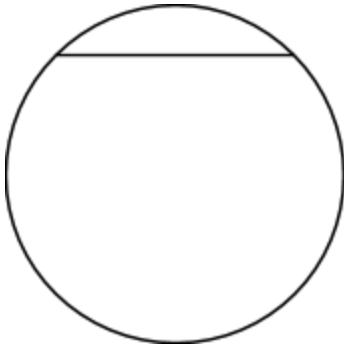
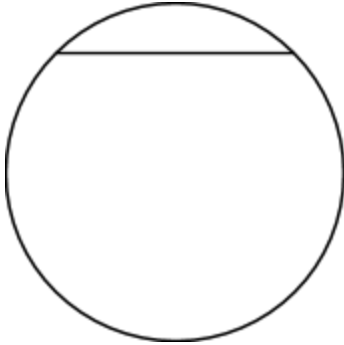


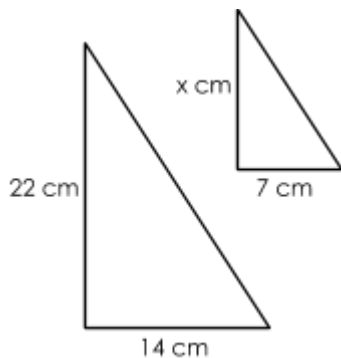
# Investigating Dilations

There is an Image defined as “Monty” that has a width of 1000 pixels and a height of 1100 pixels.

	Circle of Evaluation	Racket Code
Make an image of Monty that is $\frac{1}{3}$ the size of the original		
Scale down the image of Monty by 90%		
Create an image of Monty that has a width of 314 pixels		

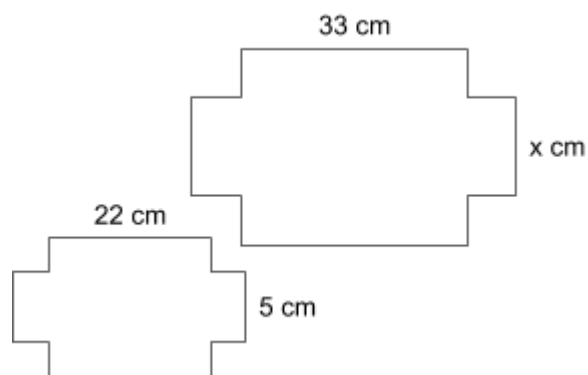
# Dilations Practice 1

The leftmost image is the original and the rightmost is the scaled version.



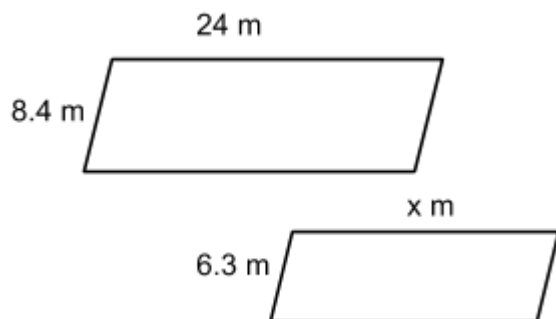
$x = \underline{\hspace{2cm}}$  scale factor =  $\underline{\hspace{2cm}}$

How I know:  $\underline{\hspace{4cm}}$



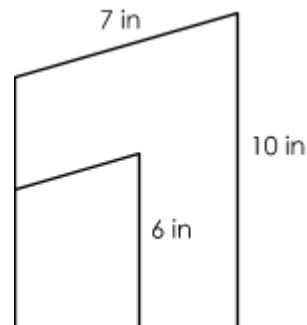
$x = \underline{\hspace{2cm}}$  scale factor =  $\underline{\hspace{2cm}}$

How I know:  $\underline{\hspace{4cm}}$



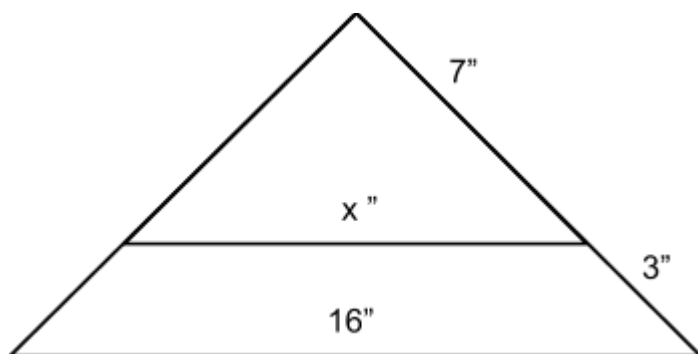
$x = \underline{\hspace{2cm}}$  scale factor =  $\underline{\hspace{2cm}}$

How I know:  $\underline{\hspace{4cm}}$



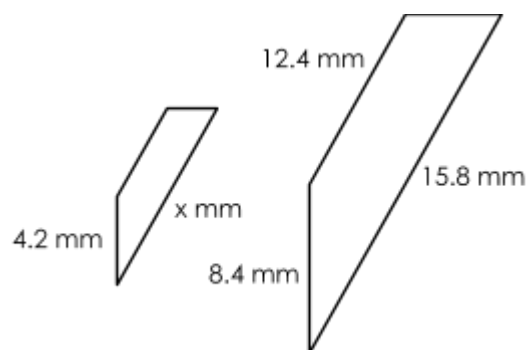
$x = \underline{\hspace{2cm}}$  scale factor =  $\underline{\hspace{2cm}}$

How I know:  $\underline{\hspace{4cm}}$



$x = \underline{\hspace{2cm}}$  scale factor =  $\underline{\hspace{2cm}}$

How I know:  $\underline{\hspace{4cm}}$



$x = \underline{\hspace{2cm}}$  scale factor =  $\underline{\hspace{2cm}}$

How I know:  $\underline{\hspace{4cm}}$

# Flags of the World

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Distinctio quam in atque reiciendis placeat. Commodi totam dolores doloremque. Dolor temporibus exercitationem quam quis voluptatum necessitatibus maiores vel.

Last updated 2019-04-22 20:21:40 UTC

# Flag Planning

The flag I've chosen to make is the flag of \_\_\_\_\_.

I chose this flag because \_\_\_\_\_.

The aspect ratio is \_\_\_\_\_, so my flag will be \_\_\_\_\_ tall and \_\_\_\_\_ wide.

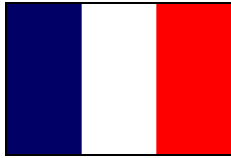
To create this flag, I will need to use the following functions:

Use the space below to draw Circles of Evaluation to help you in planning out your flag.

# Flag Analysis

Identify the different shapes, including color and dimensions, that make up these flags. Use the flag's given dimensions (height x width) to estimate (or calculate?) the dimensions of the different shapes.

France (200 x 300)



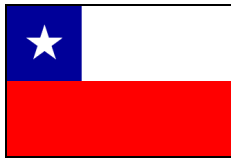
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Finland (1100 x 1800)



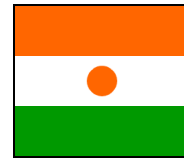
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Chile (400 x 600)



- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Niger (600 x 700)



- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Cameroon (240 x 360)



- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Cuba (175 x 350)



- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

# Image transformations

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Qui consequuntur et ipsa omnis dolor. Beatae ea dolorum consequatur. Ab voluptate earum maiores cumque excepturi nobis est necessitatibus. Expedita voluptatibus quia earum sit quo.

Last updated 2019-04-22 20:21:43 UTC

# Image Transformation Exploration

Investigate the reflect-x, reflect-y, and rotate functions with your partner.

I think the contract for reflect-x is \_\_\_\_\_ : \_\_\_\_\_

I think the contract for reflect-y is \_\_\_\_\_ : \_\_\_\_\_

I think the contract for rotate is \_\_\_\_\_ : \_\_\_\_\_

Use the space below to draw and explain visually to someone else what these three functions do.

Draw Circle of Evaluations for the following requests:

1. Rotate an Image (called BlueDolphin) 45 degrees, then reflect over the x-axis
2. Reflect an Image (called FunnyPirate) over the y-axis, then rotate clockwise 120 degrees