

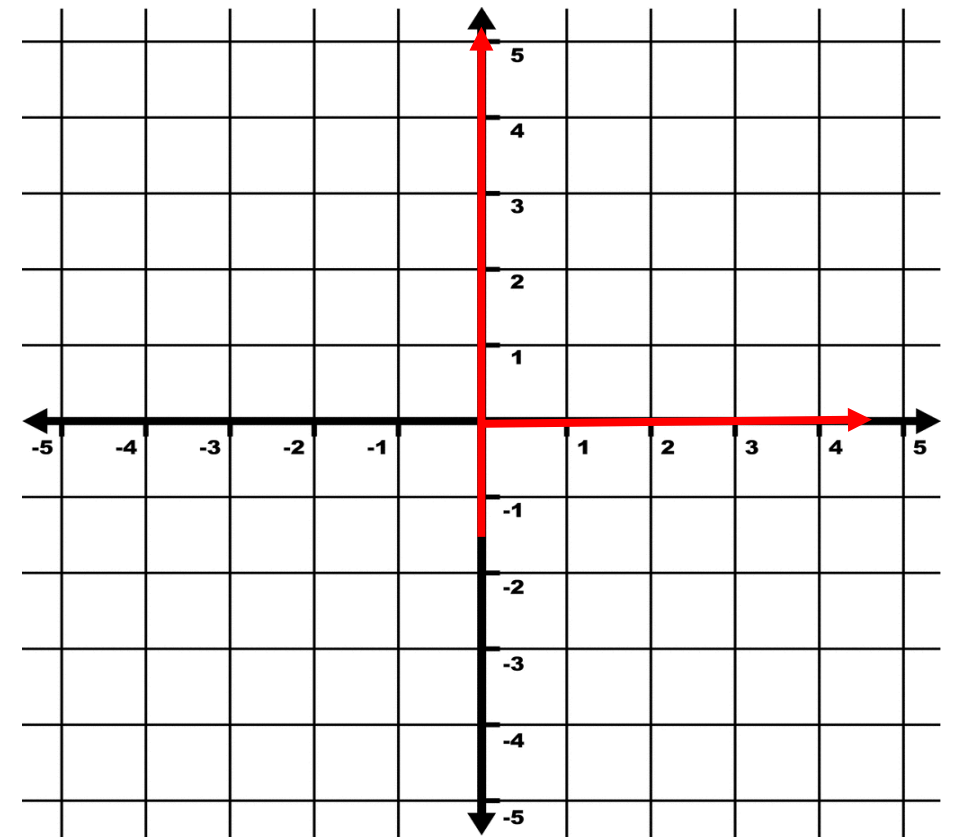
REVIEW

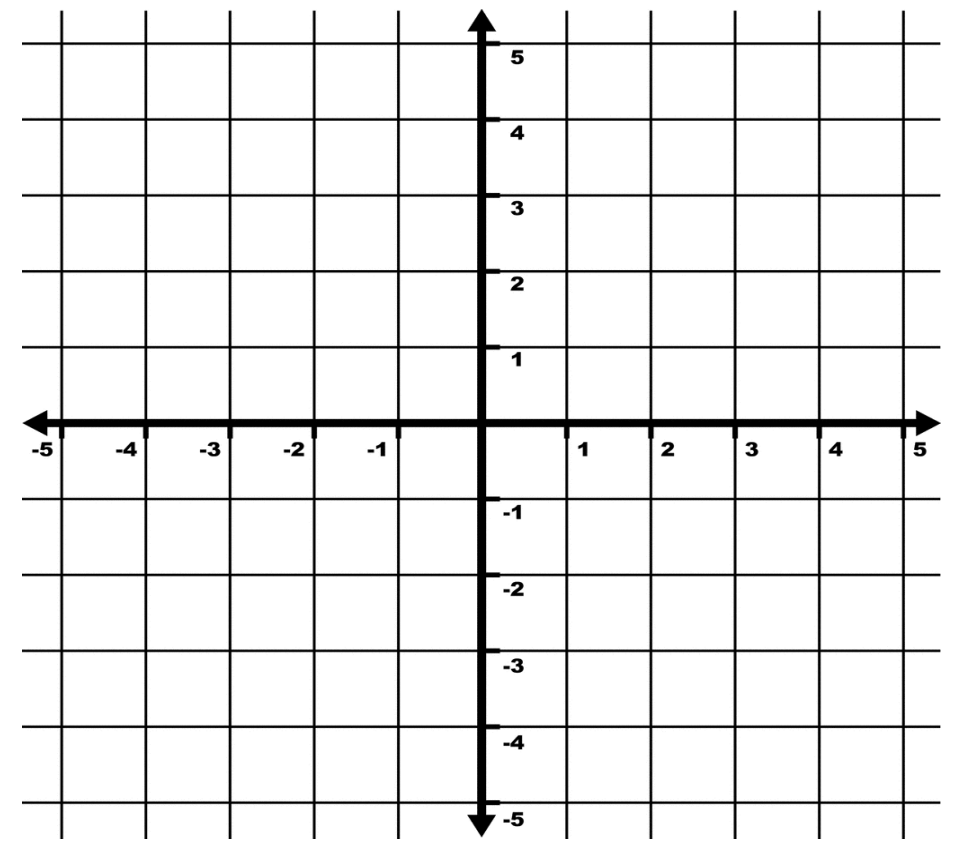
A 3D rendered image of the word "REVIEW" in bold, green, block letters. A magnifying glass with a silver frame and a black handle is positioned over the word, with its lens centered on the letter 'V'. The magnifying glass is slightly tilted, and the word "REVIEW" is rendered with a slight shadow on the white background.

This picture shows C... G... S...
Or the Cartesian plane.

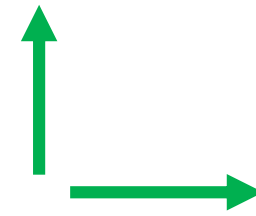
There are two lines:
h... axis or X-axis
v... axis or Y-axis.

Each set of 2 numbers
are called c... .





When the number is +, we move ...



When the number is -, we move ...



How does he get
down using a pole?

A firefighter **slides**
down a pole.



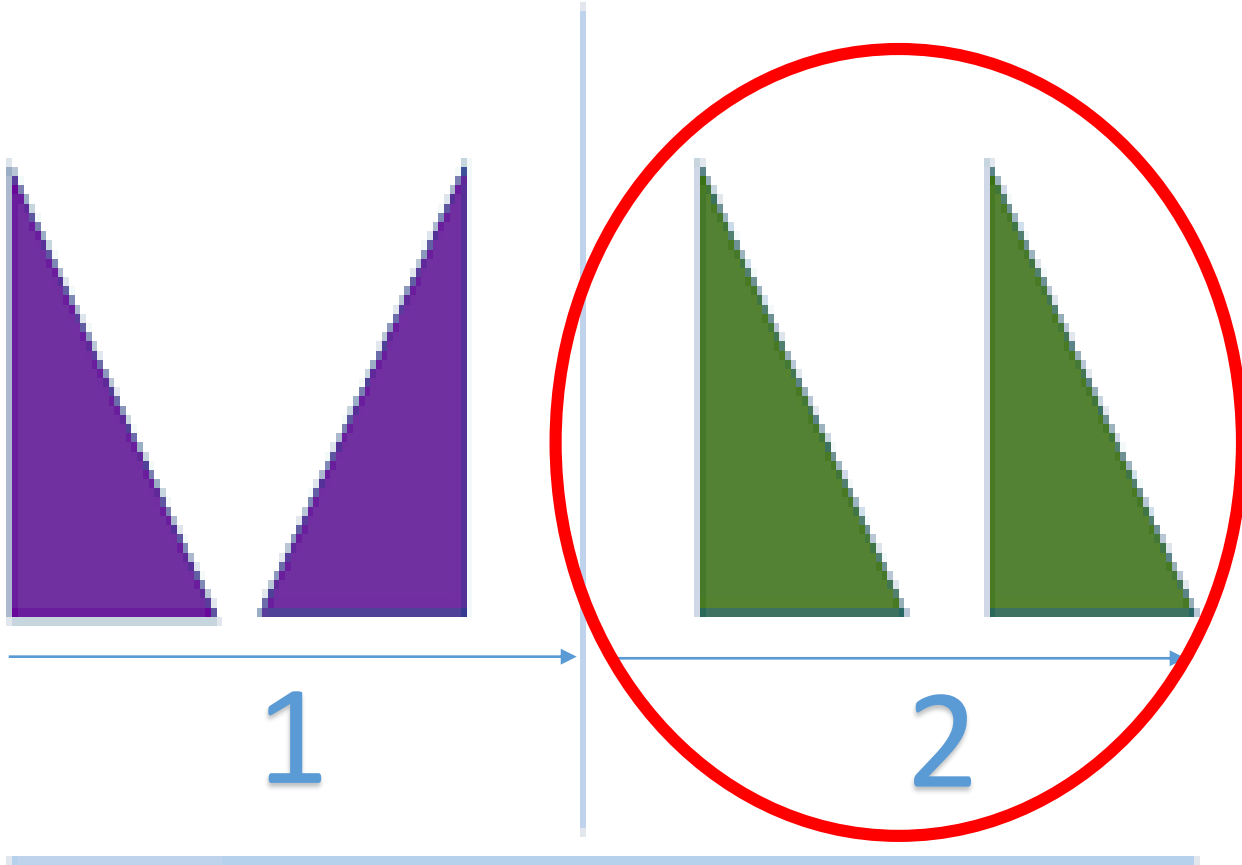
How does it get
down using a pole?

A flag **slides**
up a pole.

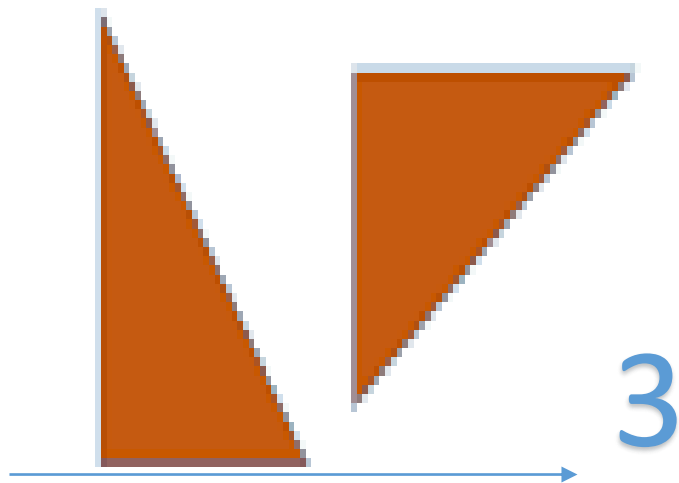


How does she get
down the slide?

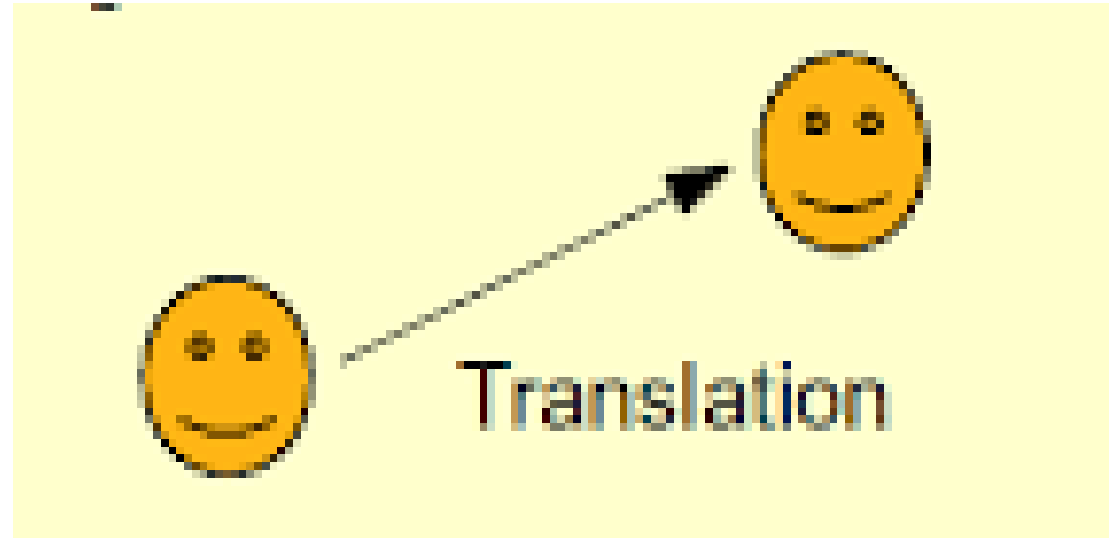
A child **slides**
down a slide.



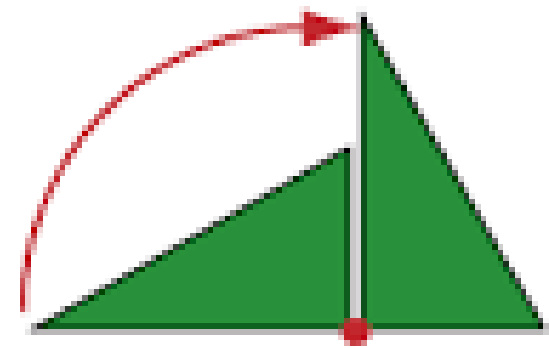
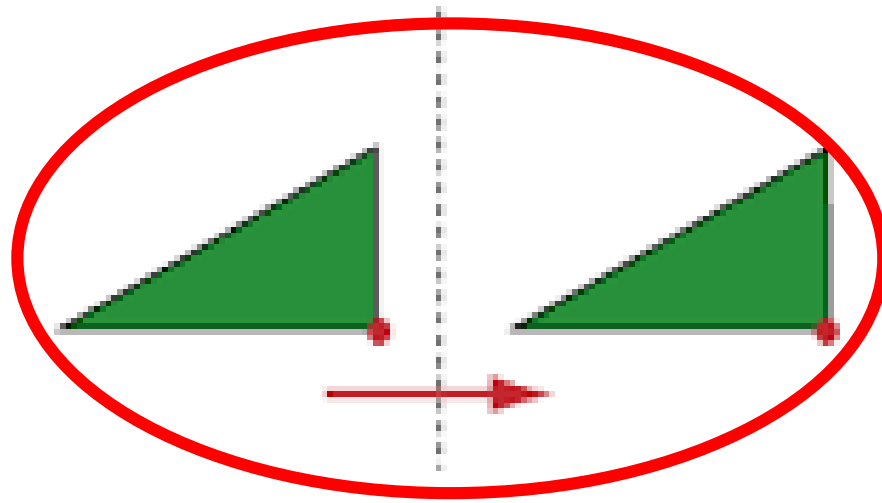
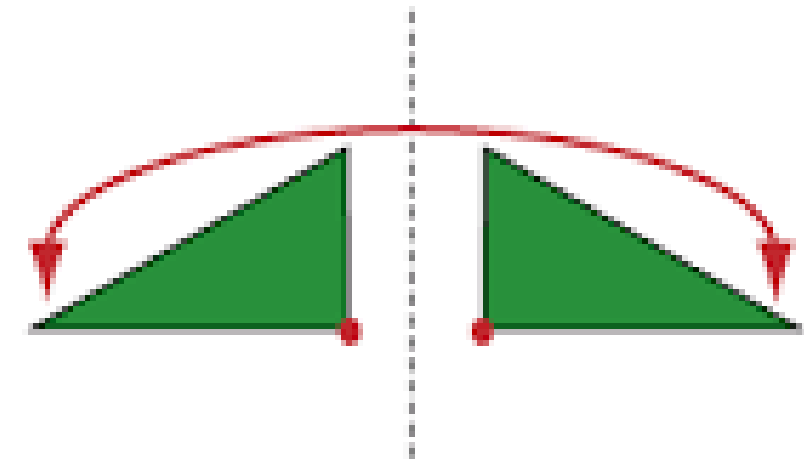
In which pair of shapes, did the shape **on the left** move along a straight line **without** any turning?



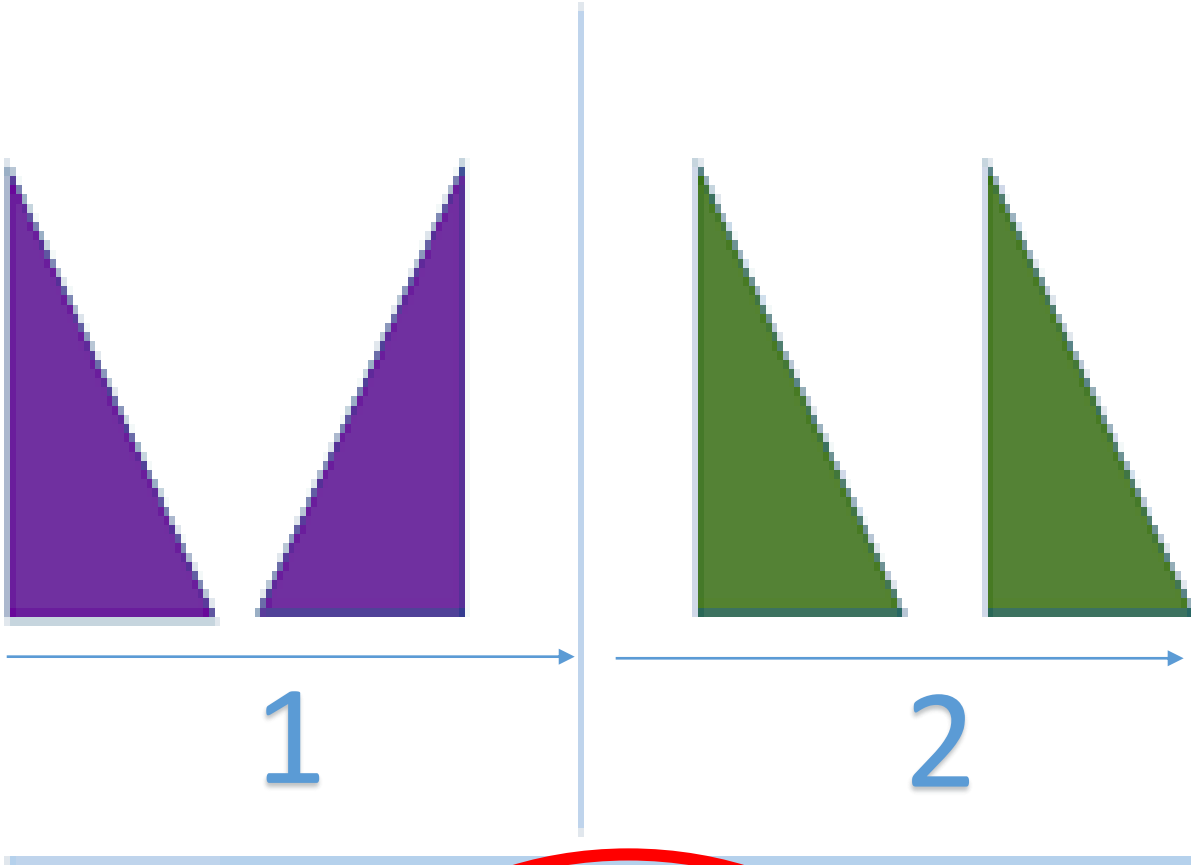
When a shape moves along a straight line, without turning, it is **translated** from one position(place)to another.



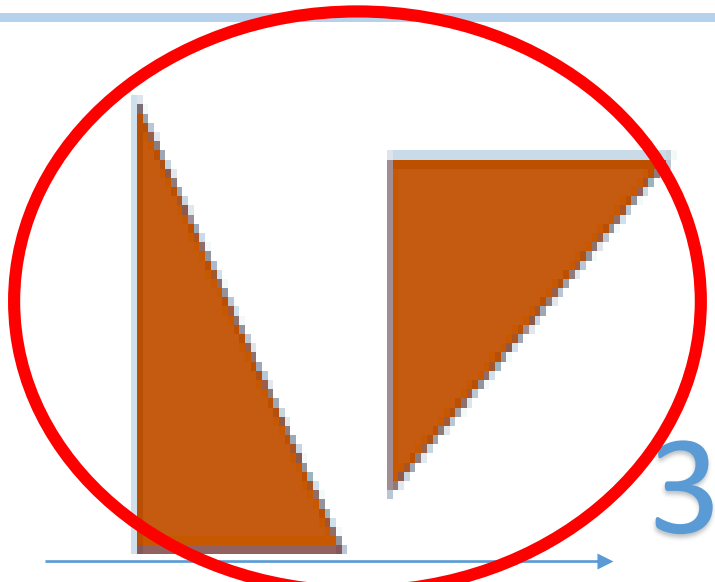
This movement is called a "translation" or a "slide".

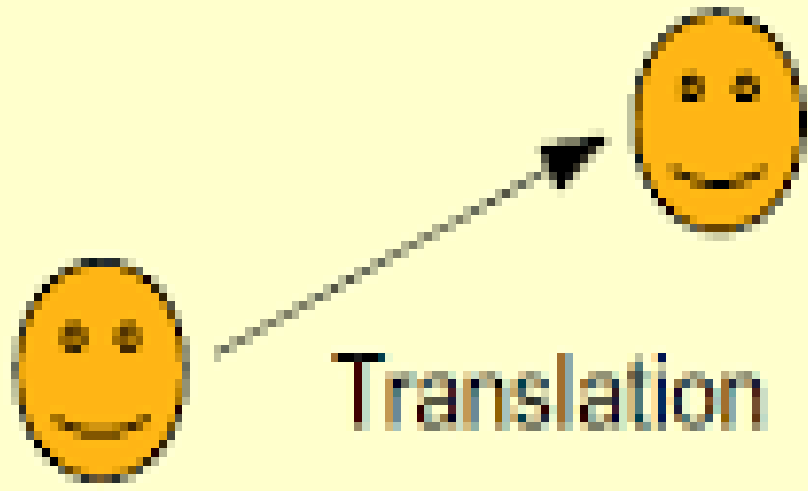


In which pair of shapes,
did the shape **on the left**
move along a straight line
without any turning?

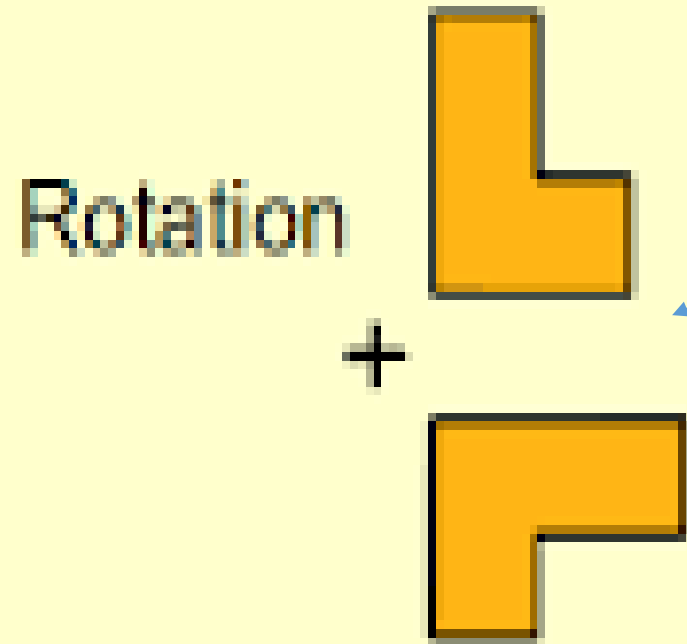


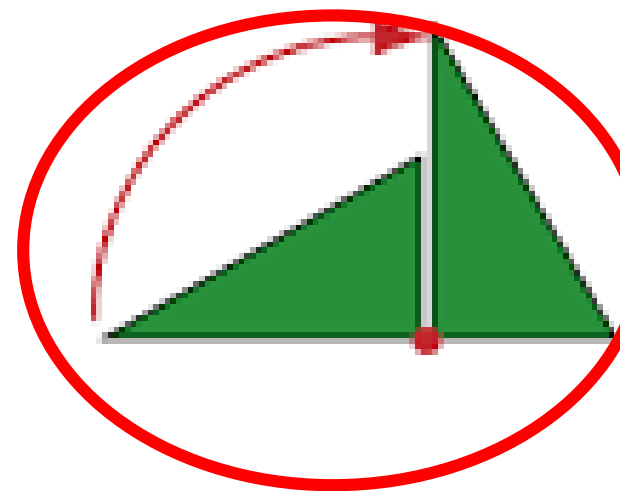
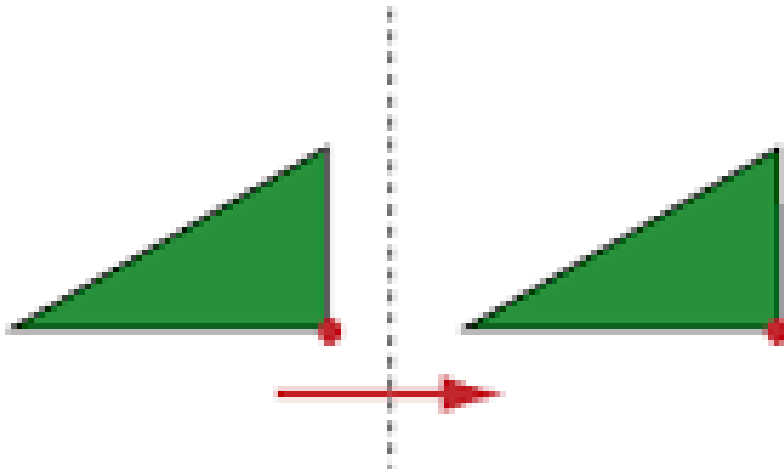
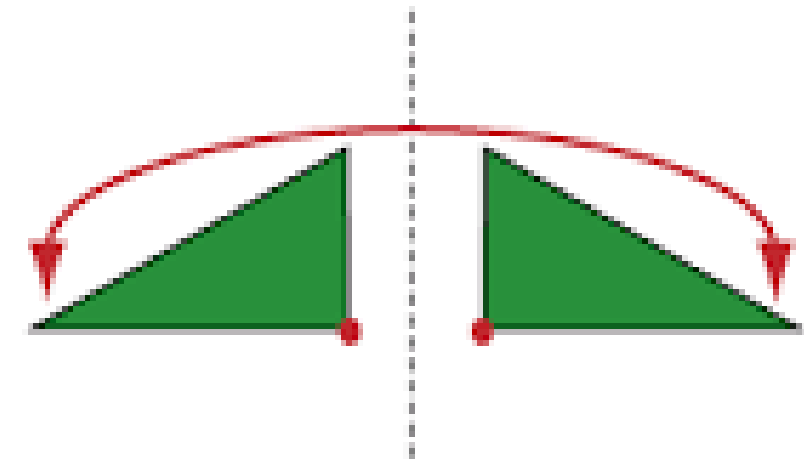
In which pair of shapes,
did the shape **on the left**
turn or rotate?



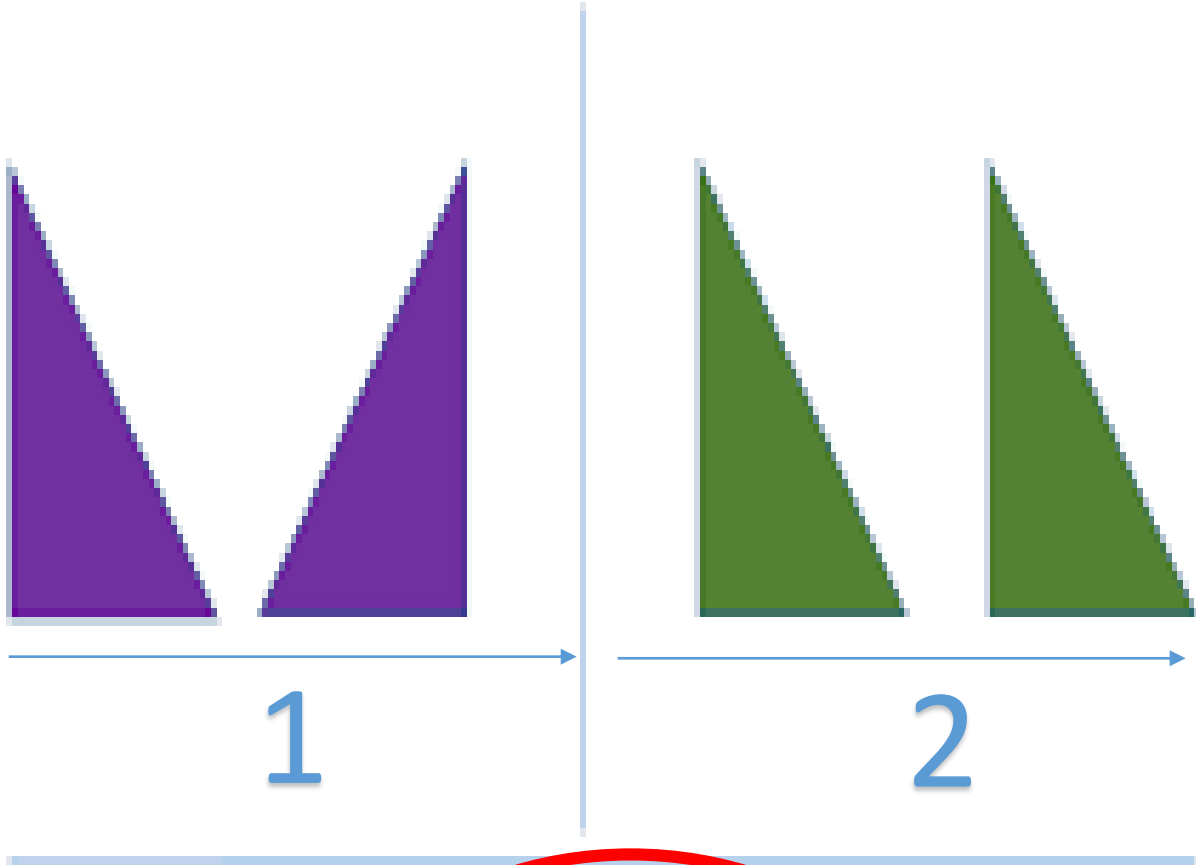


When a shape rotates
around a point,
makes a "turn" or a "rotation"

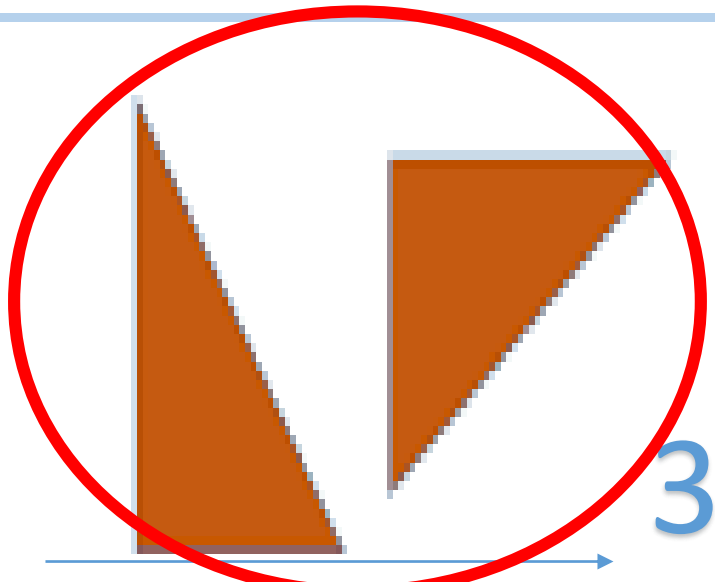




In which pair of shapes,
did the shape **on the left**
turn or rotate?

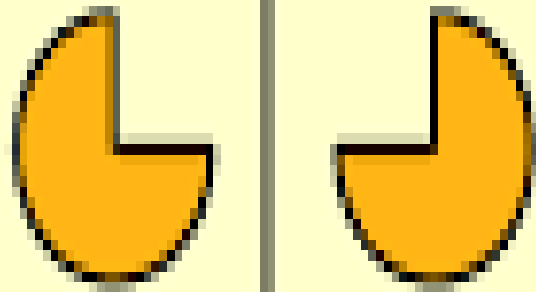


In which pair of shapes,
did the shape **on the left**
flip or reflect?



When a shape is turned over
a straight line,
it makes a mirror image.
It is called a "flip" or a "reflection".

Reflection



original



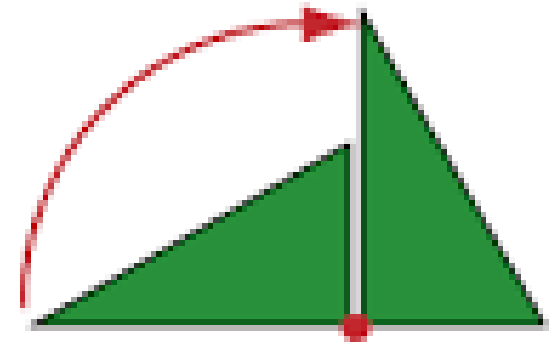
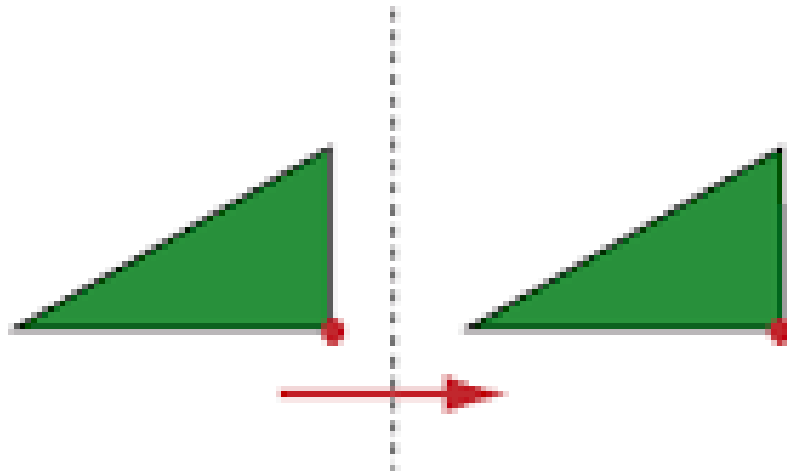
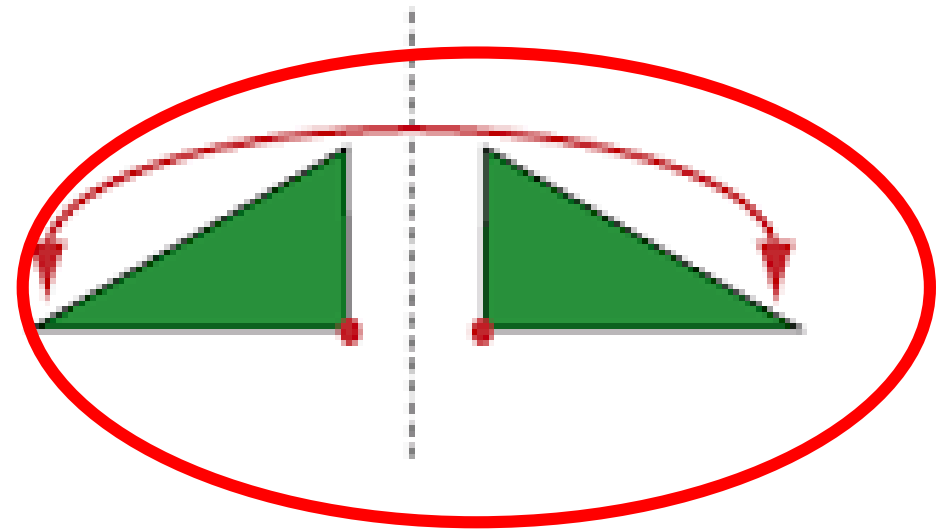
reflection



original



reflection



In which pair of shapes,
did the shape **on the left**
flip or reflect?

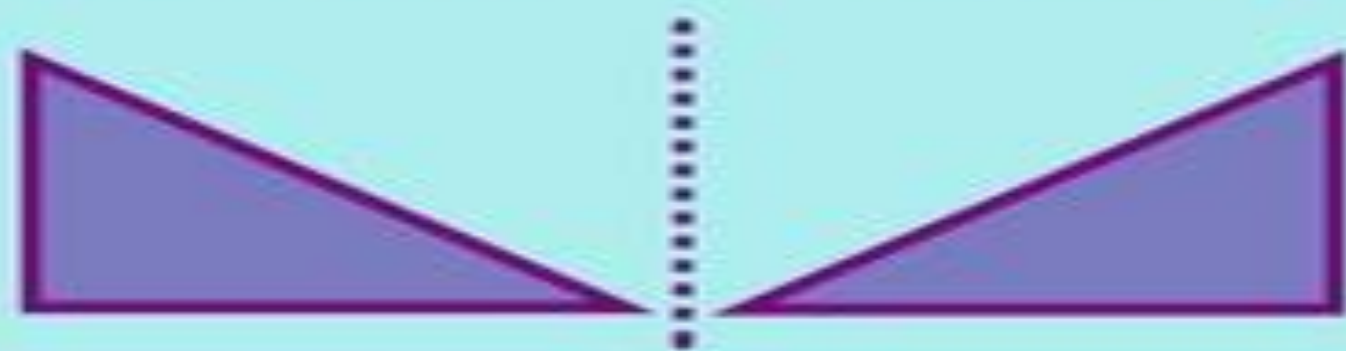
Transformations



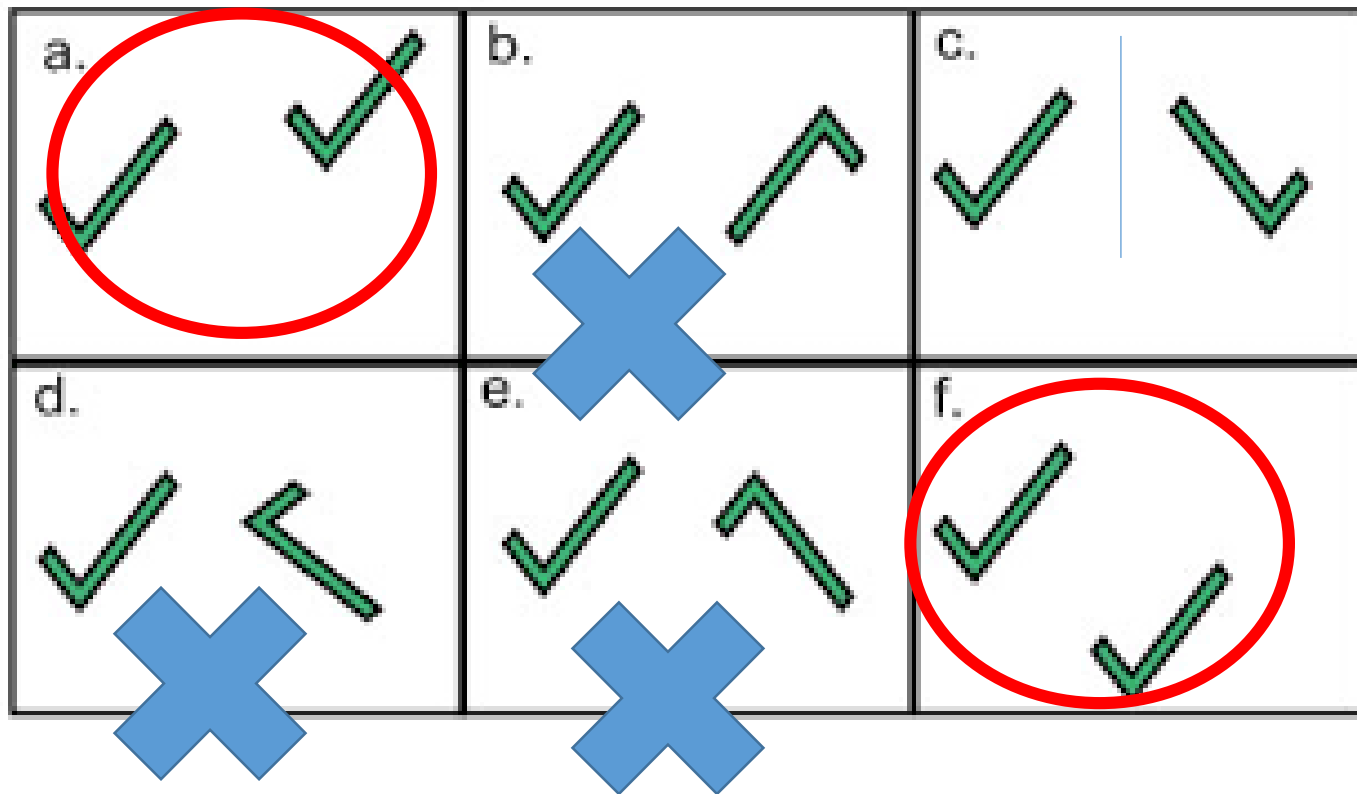
slide - translation



turn - rotation

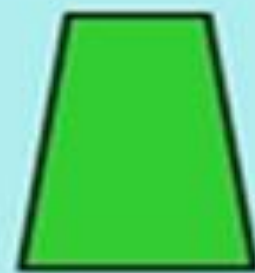
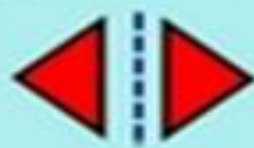
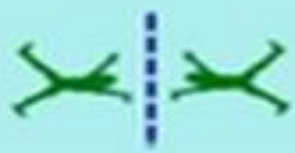


flip - reflection



Circle the slides.
Cross the turns.

Write the correct label on the line. (flip, slide, turn.)



Memorize.



When a shape is turned over
a straight line,
it makes a mirror image.
It is called a "f..." or a "r...".

When a shape moves along a straight line,
without turning, it is translated
from one position(place)to another.
This movement is called a "t..." or a "s...".

When a shape rotates
around a point,
it makes a "t..." or a "r...".

Alavi

21st Century Schools