

## Vocabulary: Rock Art



### Vocabulary

- Clockwise – rotating in the same direction as the hands of a clock.
- Congruent – having the same size and shape.
  - Two images are congruent if one image can perfectly match another after being rotated, reflected, and/or translated.
- Counterclockwise – rotating in the opposite direction as the hands of a clock.
- Image – the new figure produced after one or more transformations.
- Preimage – the original image before being transformed.
- Reflection – flipping an object or image to create a mirror image.
  - When an image is reflected, the preimage and the image have the same size and shape.
  - In a reflected image, one set of directions is reversed. For example, left could be right, or up could be down.
- Rotation – turning an object or image around a point.
  - When an image is rotated, the preimage and the image have the same size and shape.
  - A rotated image looks the same as the preimage, but it is facing a different direction.
- Transformation – a change in the size, shape, direction, or position of an image.
  - Transformations that don't change the size or shape of images are called *isometric*. These include reflections, rotations, and translations.
  - Other transformations, such as dilating (resizing), are not isometric.
- Translation – moving an object or image.
  - When an image is translated, the preimage and the image have the same size and shape.
  - A translated image looks the same as the preimage but has a different location.