

March 9, 2012

Nothing to correct today...Get out your notes

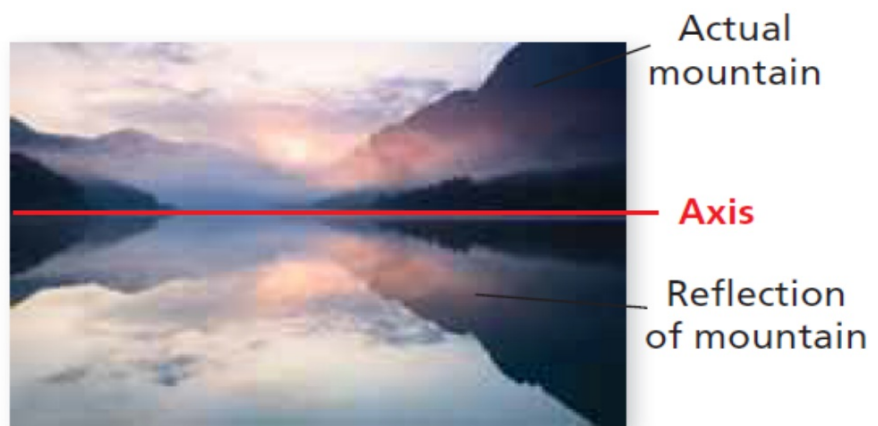


3/9 - Reflections

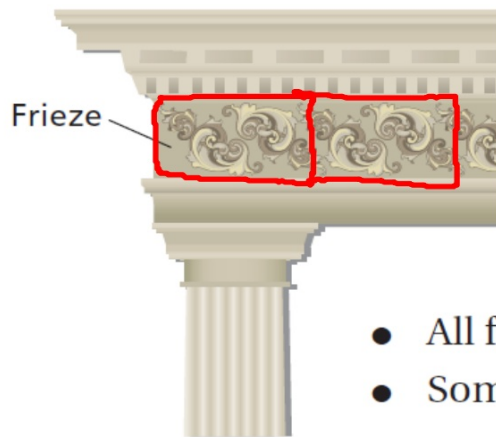
When you look at a mountain by a lake, you can see the **reflection**, or mirror image, of the mountain in the lake.

If you fold the photo on its axis, the mountain and its reflection will align.

Horizontal
axis of
Symmetry

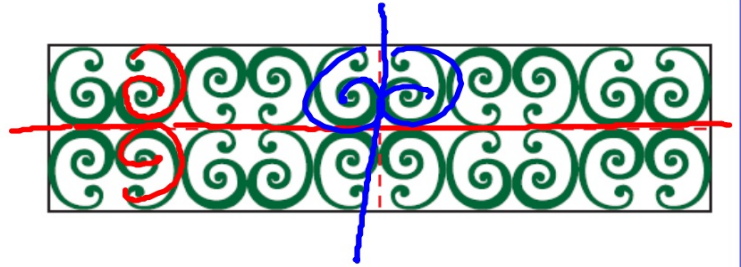


A *frieze* is a horizontal band that runs at the top of a building. A frieze is often decorated with a design that repeats.



- All frieze patterns are translations of themselves.
- Some frieze patterns are reflections of themselves.

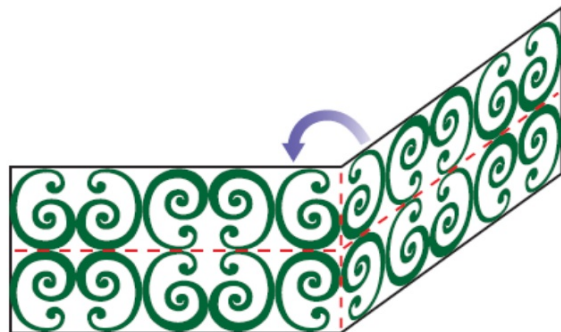
Is the frieze pattern a reflection of itself when folded horizontally? vertically?




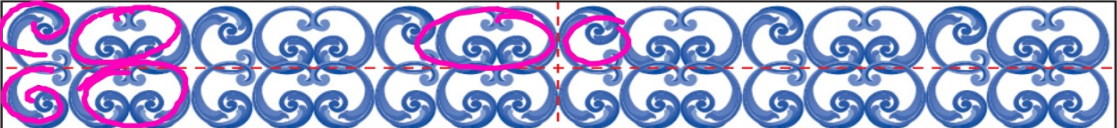
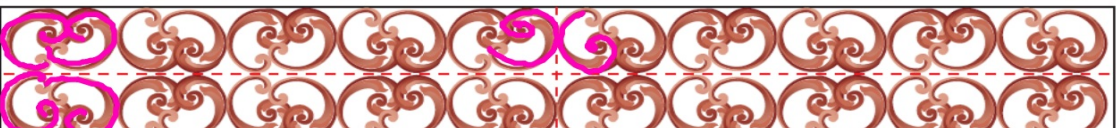
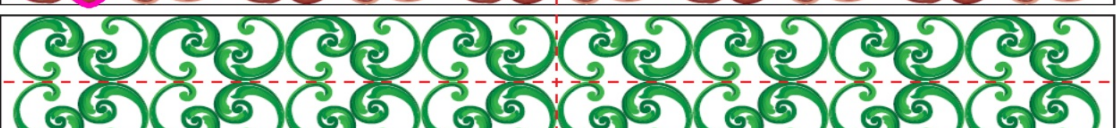
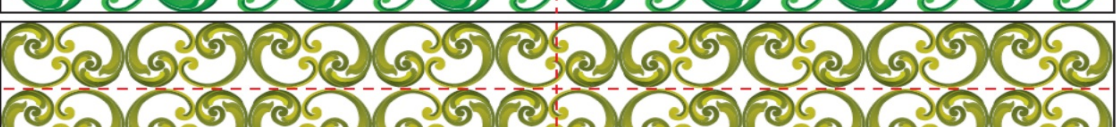
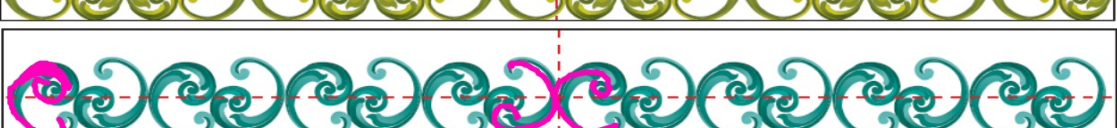
- Fold (reflect) on horizontal axis. The pattern coincides.



- Fold (reflect) on vertical axis. The pattern coincides.



Work with a partner. Is the frieze pattern a reflection of itself when folded *horizontally*, *vertically*, or *neither*?

A		N
B		N
C		H
D		H
E		N
F		N

Homework

WHITE Similarity WS3

Due TUESDAY
