

March 6, 2012

M7H

Get out PINK Similarity WS2

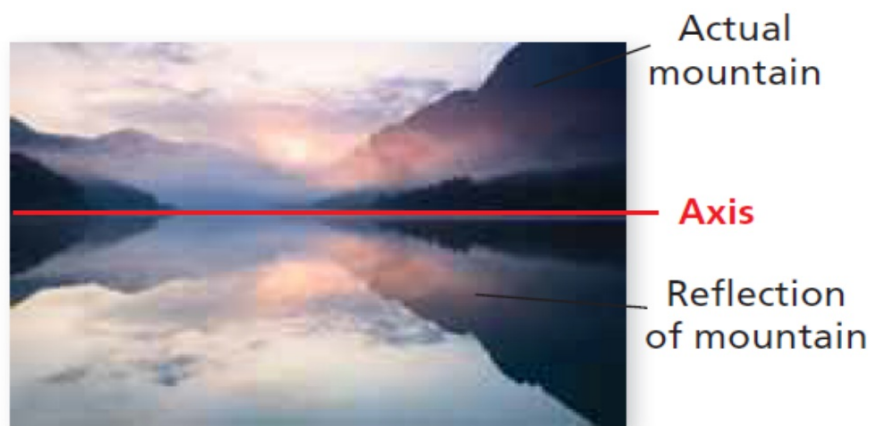


3/6 - Reflections

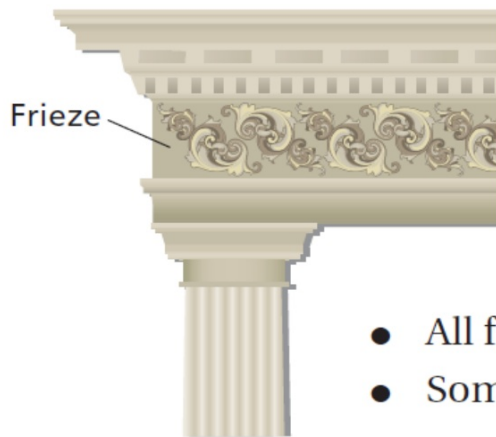
When you look at a mountain by a lake, you can see the **reflection**, or mirror image, of the mountain in the lake.

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

axis of
Symmetry →



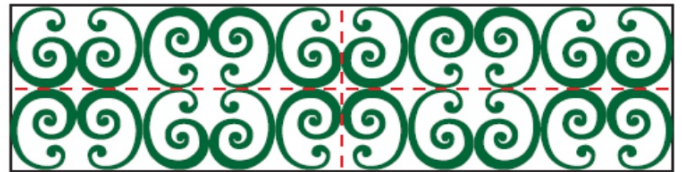
A *frieze* is a horizontal band that runs at the top of a building. A frieze is often decorated with a design that repeats.



Repeat

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

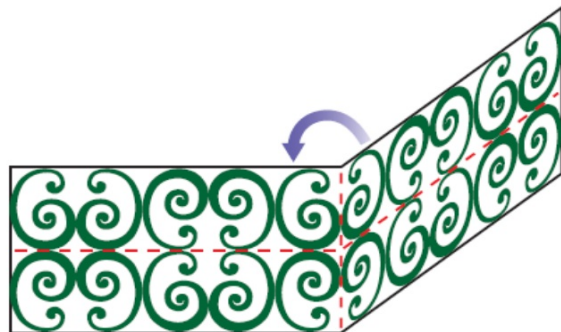
Is the frieze pattern a reflection of itself when folded horizontally? vertically?



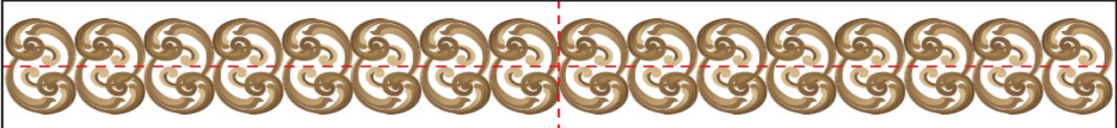
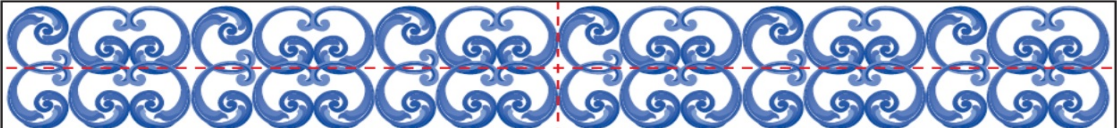
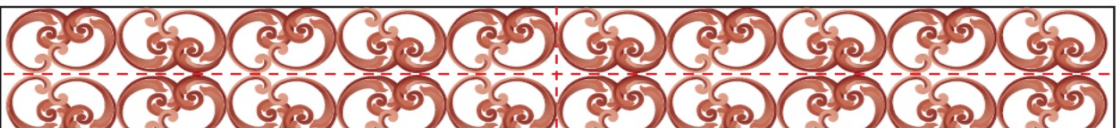
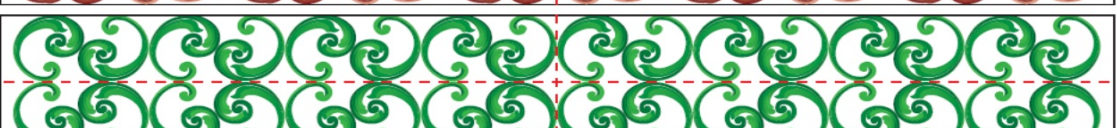
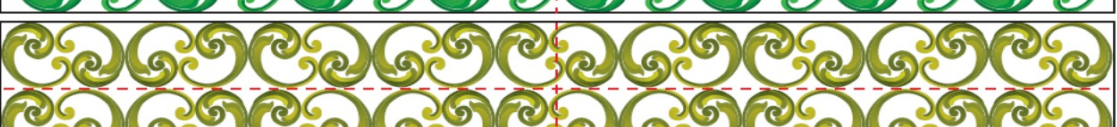
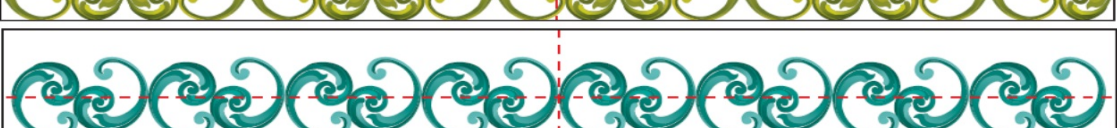
- Fold (reflect) on horizontal axis. The pattern coincides.



- 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		Neither
B		Neither
C		Horiz.
D		Horiz
E		Neither
F		Neither

Homework

White Similarity WS₃

Due Wednesday