

Growing Changes

- You need**
- an overhead projector (do not tilt the projector)
 - a large sheet of square grid paper for the screen
 - transparencies

Activity One

Kirsty and Tama were wondering what things changed and what things stayed the same as a shape got bigger.

They drew a square on a transparency, put it on the overhead projector, and looked at the image that the overhead projector showed on the screen.

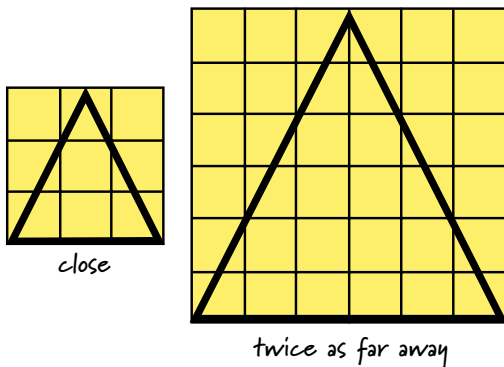


- a. What features of the square stayed the same as the projector moved?
- b. What features of the square changed?

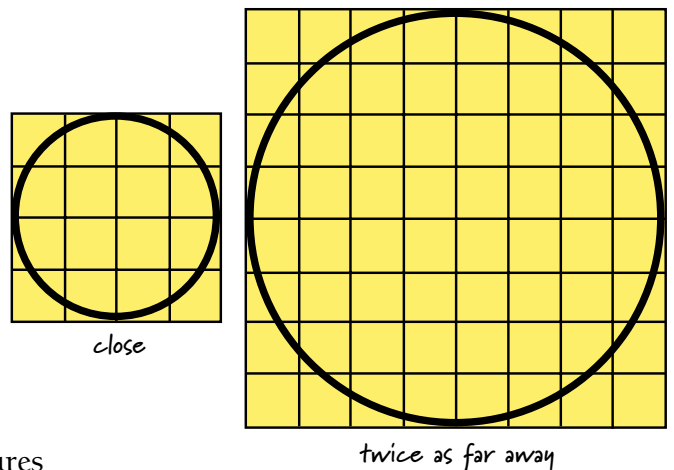
Activity Two

Here are two other pictures of shapes that were put on the overhead projector. Beside each shape is a second picture showing what the shape looked like when the overhead projector was twice as far from the screen.

a.



b.



What features have stayed the same and what features have changed for each shape?