

Lab – Tiles Lab

Purpose: To determine the relationship between the area of a tile and its mass.

Materials:

- Six floor tiles
- Ruler
- Triple-beam balance

Instructions:

1. Choose six tiles of various shapes and sizes.
2. Measure the mass of each tile.
3. Calculate the area of each tile.
4. Create a data table showing the areas and masses of the tiles.
5. Graph the area of each tile versus the mass.
6. The standard conclusion should be used.