Use this worksheet along with the Dirt Composition Jar Test video.

Total Height of all soil layers (not water) ________mm or inches
Height of sand layer ________mm or inches
Height of silt layer ________mm or inches
Height of clay layer ________mm or inches

% sand = sand height / total height x 100 = ___________ % sand
% silt = silt height / total height x 100 = ___________ % silt
% clay = clay height / total height x 100 = ___________ % clay

Find % number of each type on the side marked. Draw a line from that point parallel to the opposite (not adjacent) side. Where the lines intersect is the type of soil.
Jeanette’s Soil Numbers

Total Height of all soil layers (not water) 44 mm

Height of sand layer 27 mm.  \( \% \text{ sand} = \frac{\text{sand height}}{\text{total height}} \times 100 = 61.4\% \text{ sand} \)

Height of silt layer 15 mm.  \( \% \text{ silt} = \frac{\text{silt height}}{\text{total height}} \times 100 = 34.1\% \text{ silt} \)

Height of clay layer 2 mm.  \( \% \text{ clay} = \frac{\text{clay height}}{\text{total height}} \times 100 = 4.5\% \text{ clay} \)

Find % number of each type on the side marked. Draw a line from that point parallel to the opposite (not adjacent) side. Where the lines intersect is the type of soil.