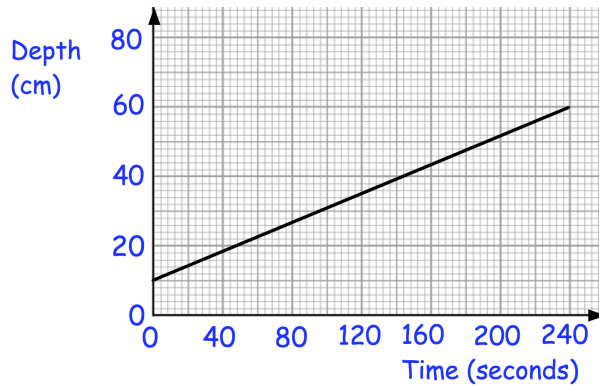The graph shows information about the depth of Ranjit's paddling pool.

Find the gradient of the line

Interpret what the gradient of the graph represents.

Solve

$$\frac{4x + 9}{15} - \frac{x - 3}{5} = 1$$

Aisha has drawn a picture with triangles and rectangles. Some shapes are red and the others are blue.
The ratio of red to blue shapes is 4:5

The ratio of red triangles to red rectangles is 1:3

The ratio of blue triangles to blue rectangles is 3:7

What fraction of all the shapes are triangles?