 slope of the line = 2/3

Slope: steepness of a line, unit rate, rate of change, rise/run (y/x)

The steeper the line the greater the slope.

**To Compare Proportional Relationships**

Find the slope (rate) for each relationship to compare.

 Tom

|  |  |
| --- | --- |
| hours | pages |
|  2 | 60 |
| 5 | 150 |
| 7 | 210 |
| 12 | 360 |

 

 200 ÷ 5 = 40 150 ÷ 5 = 30

 Kate reads 40 pages/hour Tom reads 30 pages/hour

Kate is reads 10 more pages than Tom every hour.

You can also find the changes of y to find the slope.

 changes of x

 200 – 0 = 40

 5-0

 