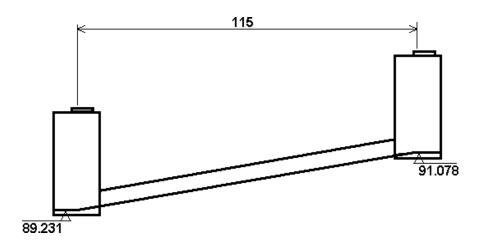


## **HOW TO CALCULATE PIPELASER READING**



If the gradient between the manholes is given in rise/fall or as a ratio, calculate the Laser Reading as follows:

Rise/Ratio:	1/85	or 1:85	or	1 in 85
		<u>100</u>		
Laser Reading	=	85		
	=	1.175		

## Note:

- 1. If the rise/ratio is given as 1 in 85 make sure that both dimensions are the same
  - e.g. 1" in 240" NOT 1" in 20' 0.150m in 30m NOT 150mm in 30m 150mm in 3000mm NOT 150mm in 30m
- 2. + grades always RISE away from the laser

Laser reading	=	Difference in Level x 100 Distance
	=	<u>91.078 - 89.231</u> x 100 115
	=	1.606

- grades always FALL away from the laser
- 3. When using the LASER CONVERSION CHART read the rise/ratio (e.g. 1:85) is in the LEFT hand column the corresponding pipelaser reading (1.176) is in the RIGHT hand column