

Reading a Vernier Caliper – Metric Units

Name:

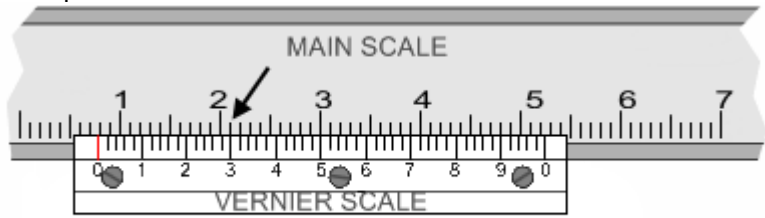
Hour:

Example

- Step 1 The main metric scale is read first and this shows that there are 7 whole divisions before the 0 line on the vernier Scale. Therefore, the first number is 7.
- Step 2 On the vernier scale, find the first line that lines up with any line on the main scale. This is shown by the arrow in the example. This is 15.
- Step 3 Multiply 15 by 0.02 giving 0.30 as each division on the hundredths scale is equivalent to 0.02mm. $15 \times .02 = .30$
- Step 4 Add $7 + .30 = 7.30$

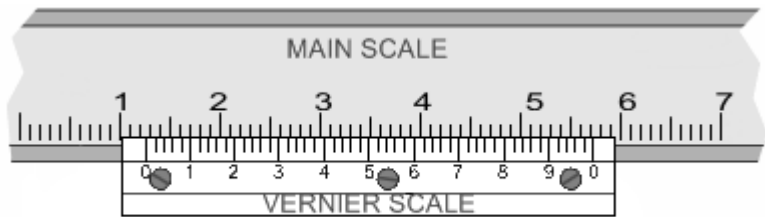
Main Scale mm	7
Vernier Scale 1/100mm Multiply by 0.02 <i>(Each division on the vernier scale = .02mm)</i>	$15 \times .02 = .30$
Total Measurement	7.30

Example



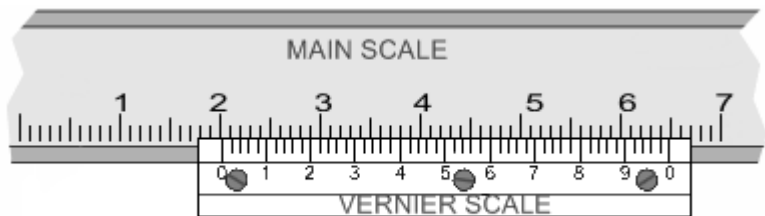
Main Scale mm	
Vernier Scale 1/100mm Multiply by 0.02 <i>(Each division on the vernier scale = .02mm)</i>	
Total Measurement	

1



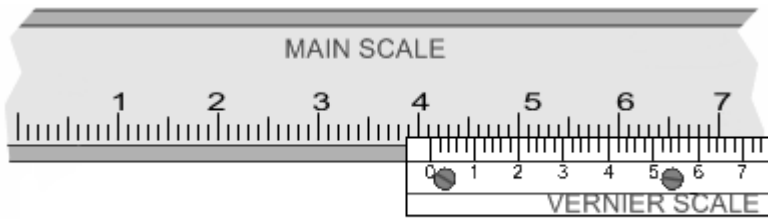
Main Scale mm	
Vernier Scale 1/100mm Multiply by 0.02 <i>(Each division on the vernier scale = .02mm)</i>	
Total Measurement	

2



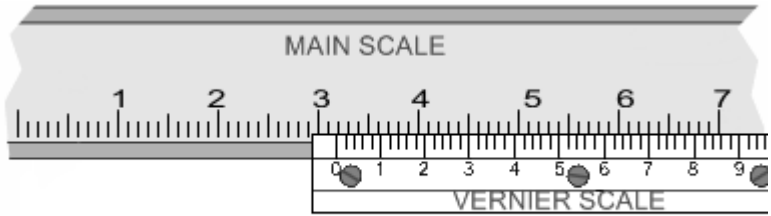
Main Scale mm	
Vernier Scale 1/100mm Multiply by 0.02 <i>(Each division on the vernier scale =.02mm)</i>	
Total Measurement	

3



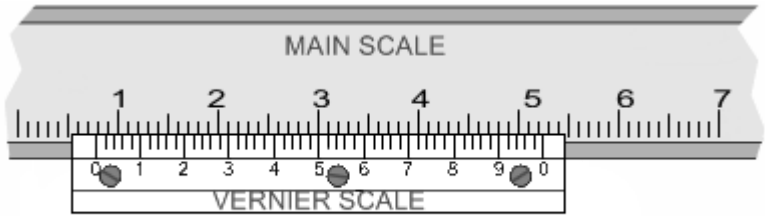
Main Scale mm	
Vernier Scale 1/100mm Multiply by 0.02 <i>(Each division on the vernier scale =.02mm)</i>	
Total Measurement	

4



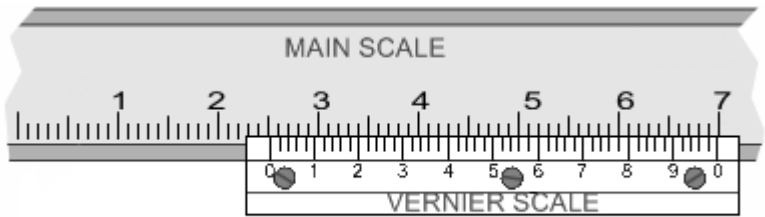
Main Scale mm	
Vernier Scale 1/100mm Multiply by 0.02 <i>(Each division on the vernier scale =.02mm)</i>	
Total Measurement	

5



Main Scale mm	
Vernier Scale 1/100mm Multiply by 0.02 <i>(Each division on the vernier scale =.02mm)</i>	
Total Measurement	

6



Main Scale mm	
Vernier Scale 1/100mm Multiply by 0.02 <i>(Each division on the vernier scale =.02mm)</i>	
Total Measurement	

7

