

Reading Measurement in Physics
VERNIER CALIPER

Homework

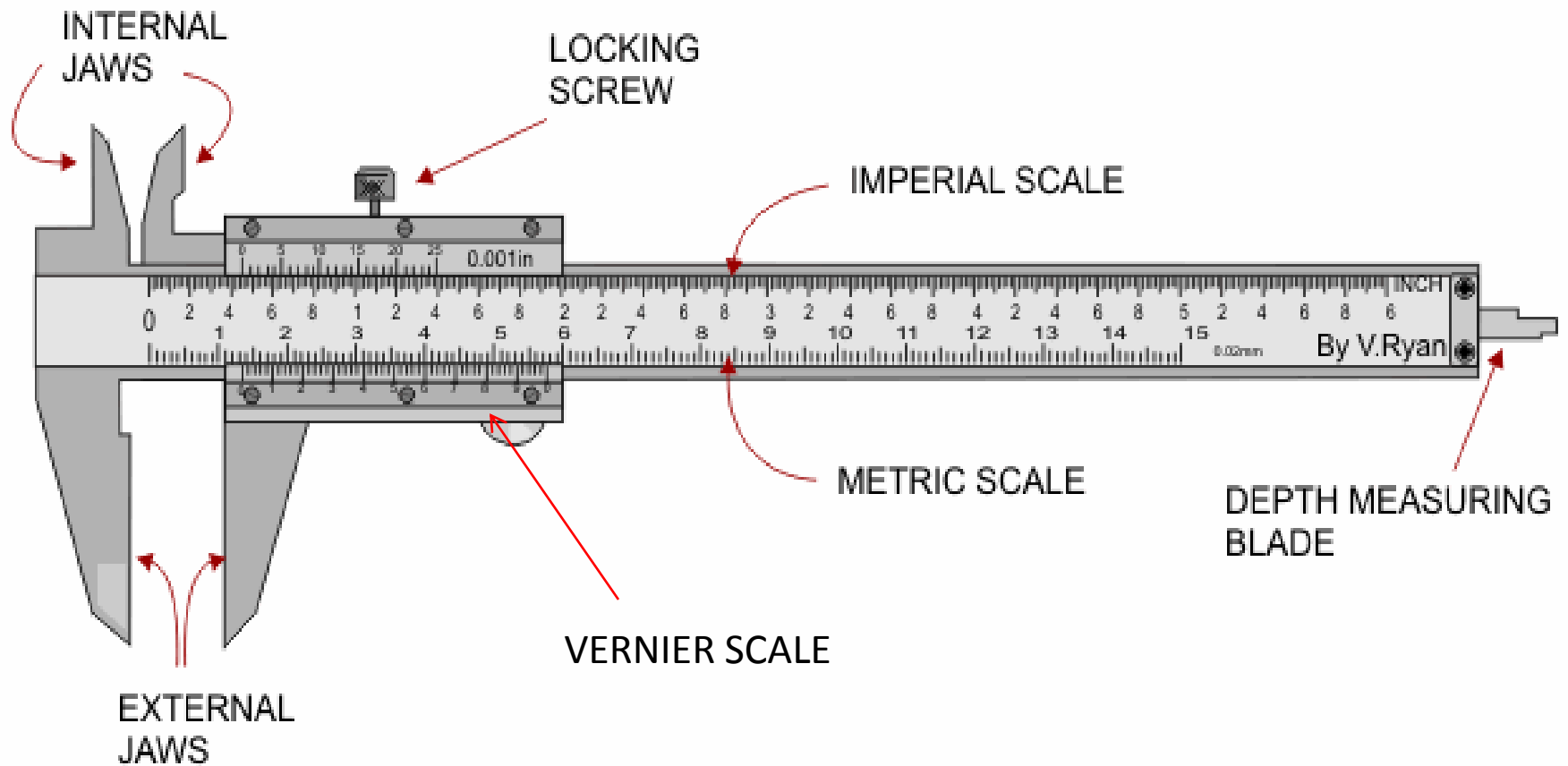
Instructions:

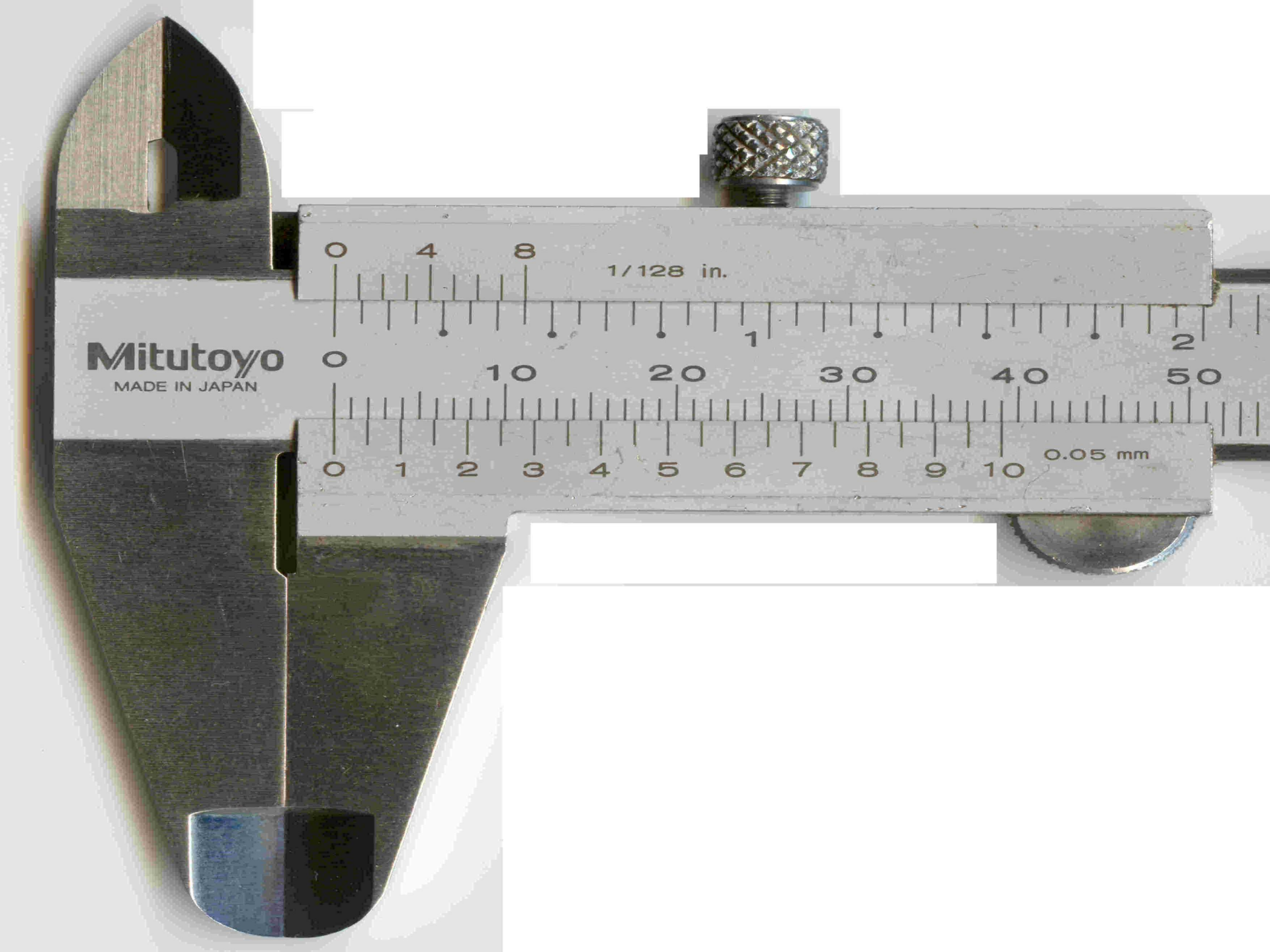
- Answer the reading measurement exercises for micrometer caliper and Vernier caliper on pages 5-8 of your Lab Manual and Workbook.
- Cover your Lab Manual with plastic and be ready for inspection on Wednesday.
- Proceed to Physics Lab on Wednesday, June 27, 2012.

Objectives

- enumerate the parts and uses of a Vernier caliper
- measure the length, thickness and dimensions of objects
- read and record measurements from the Vernier caliper correctly

Parts of a Vernier Caliper





Mitutoyo
MADE IN JAPAN

0 4 8 1/128 in. 1 2
0 10 20 30 40 50
0 1 2 3 4 5 6 7 8 9 10 0.05 mm

Main Scale



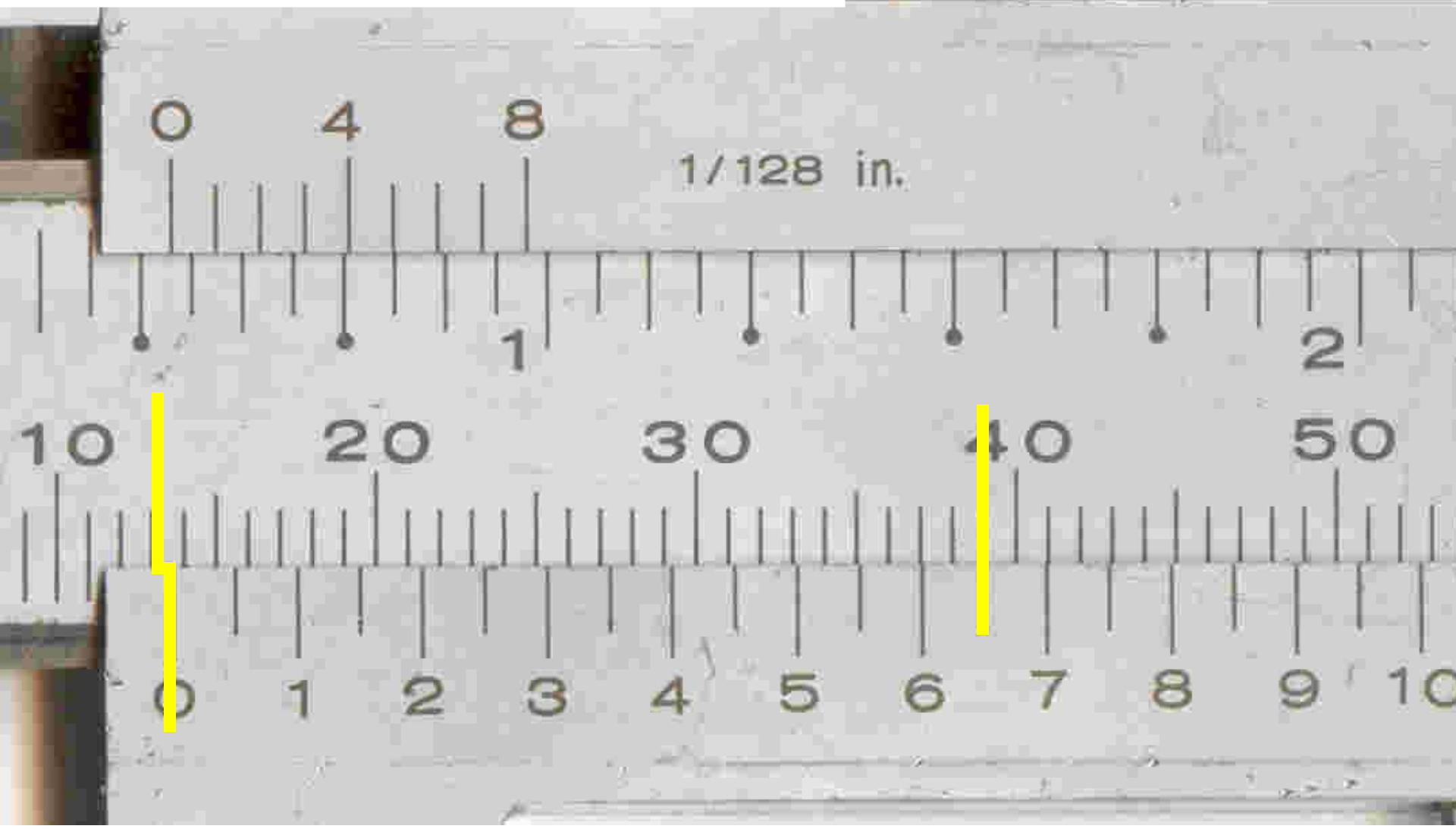
Vernier Scale

Each division: 1.000, 2.000 mm, 3.000 mm...

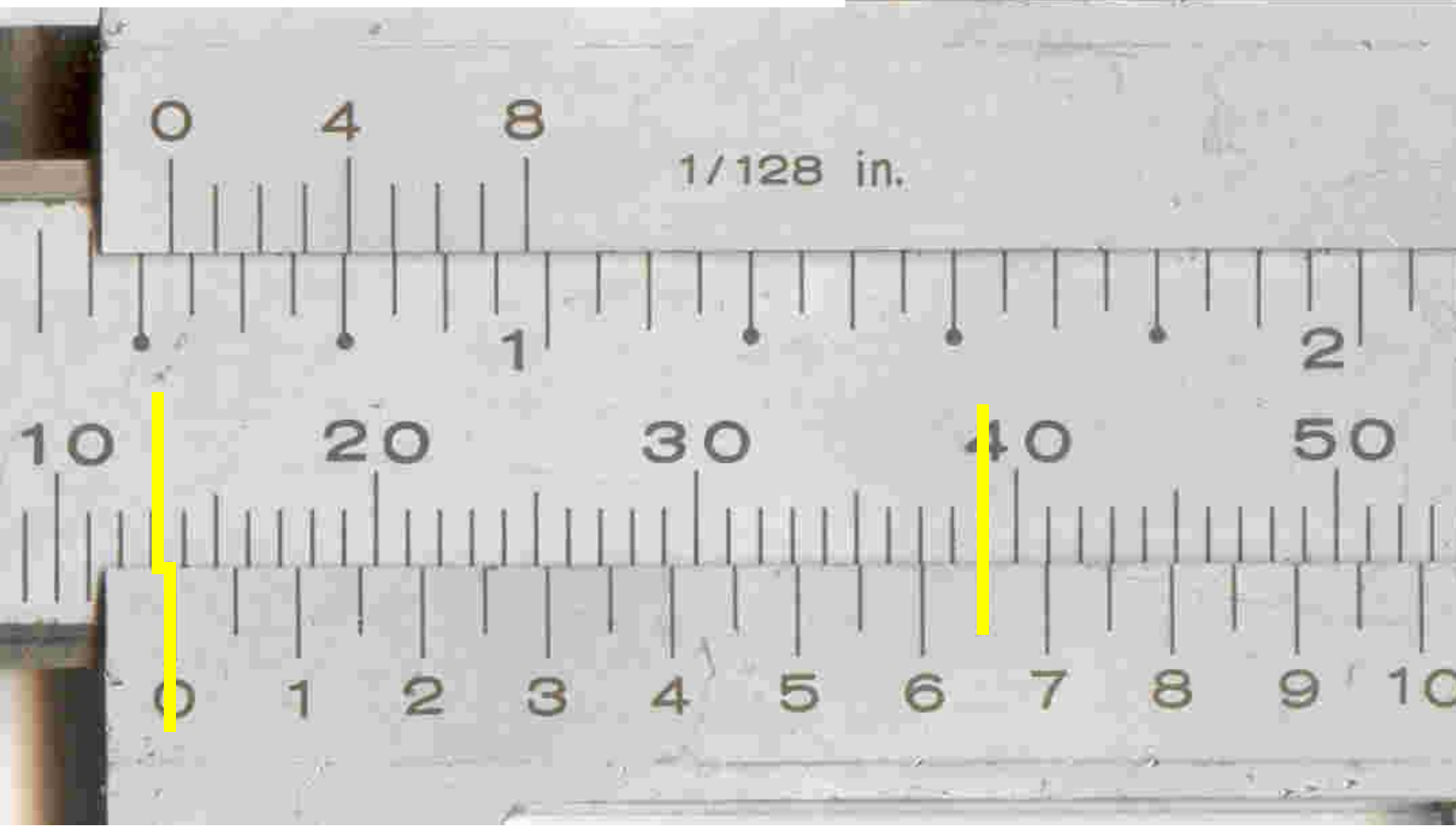


Each division: 0.050 mm, 0.100 mm, 0.150 mm

13.



13.65

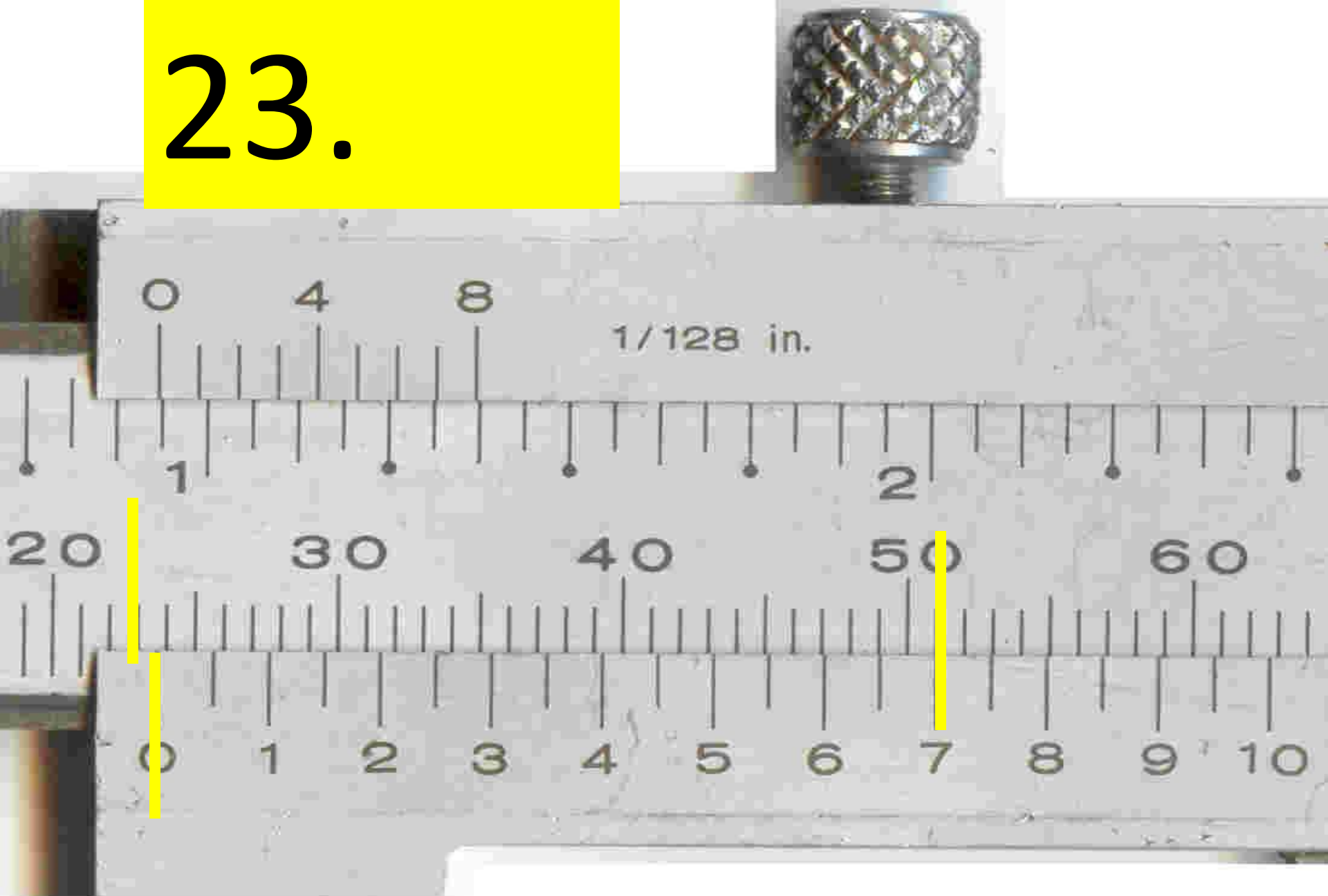


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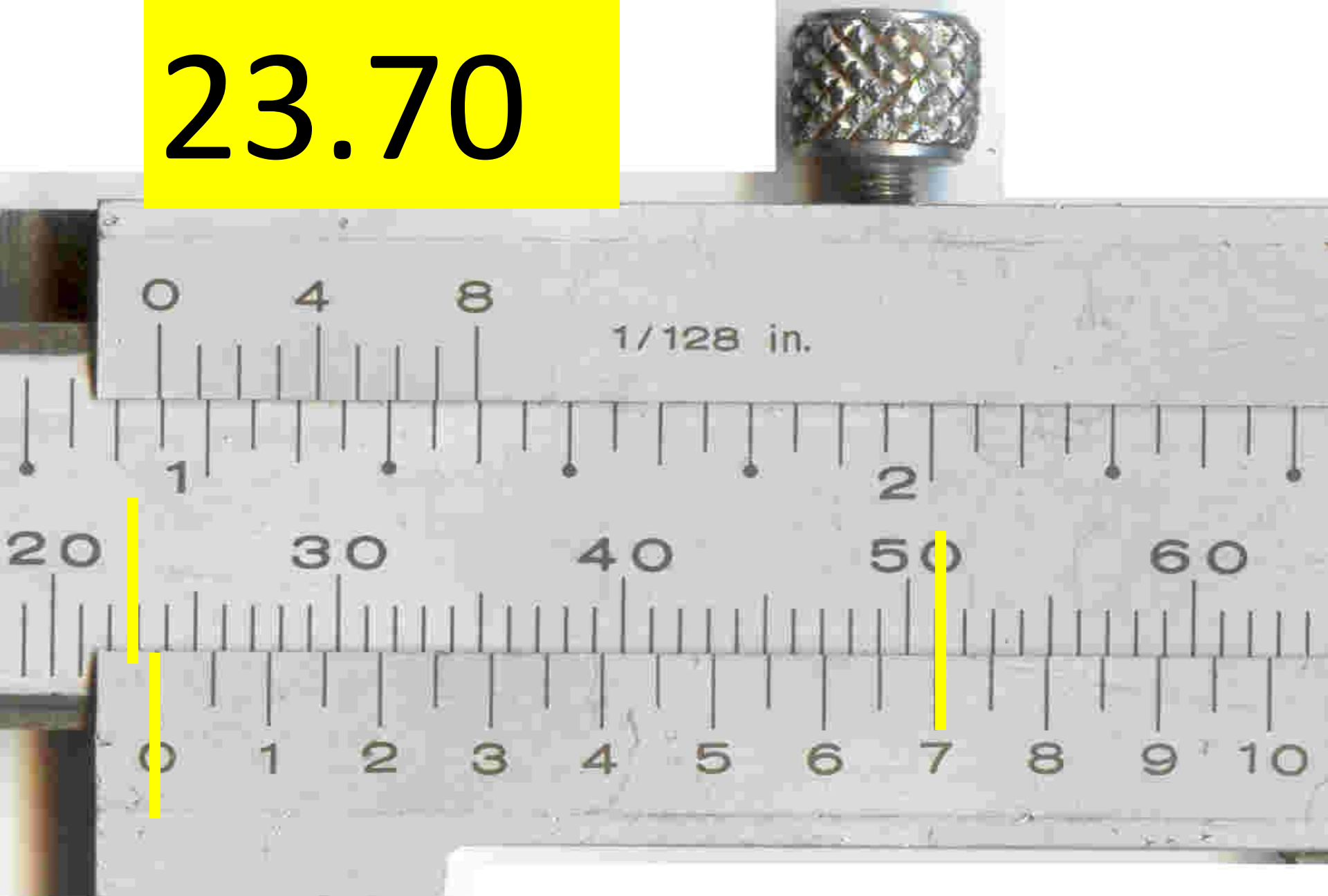
13.650 mm



23.



23.70

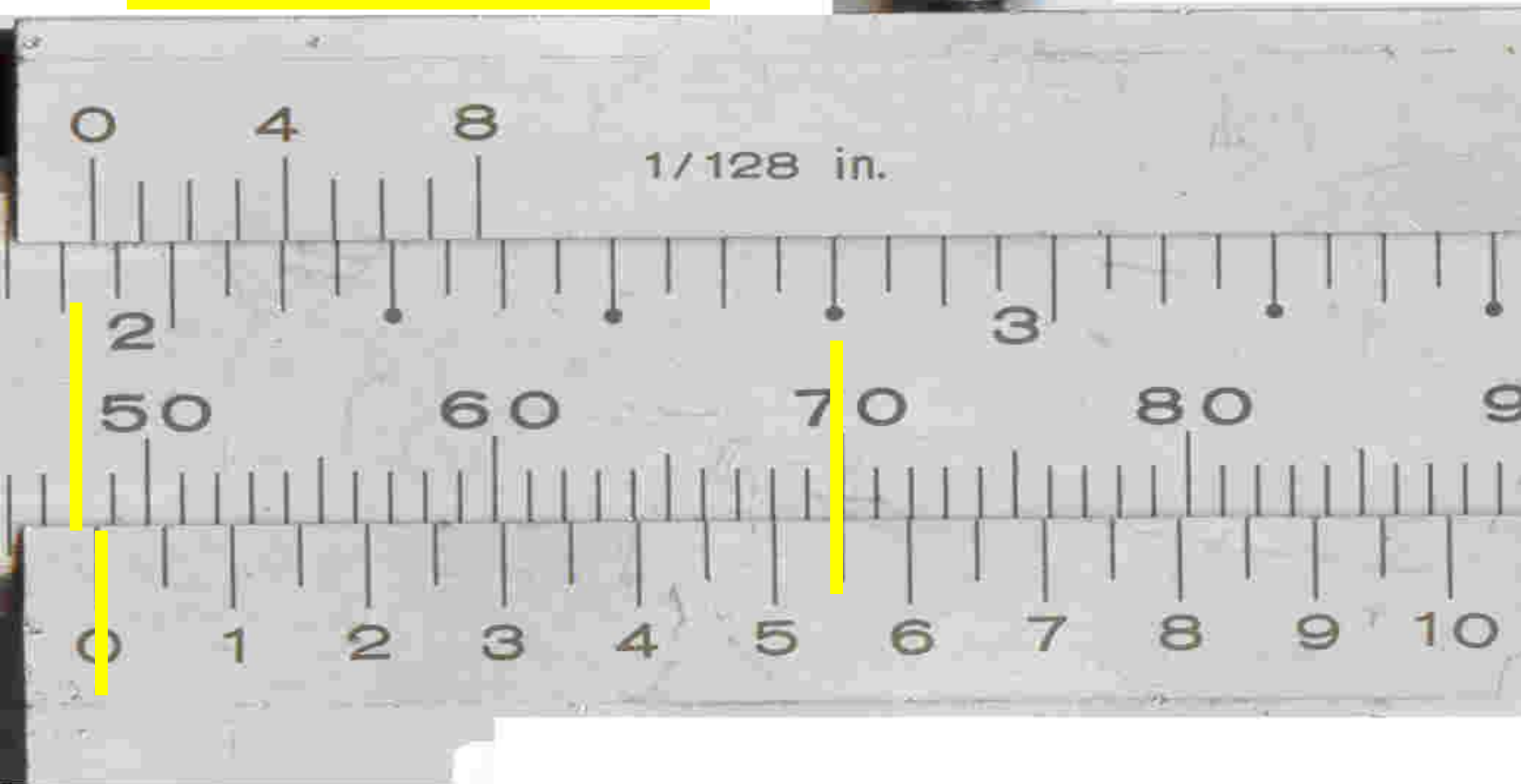


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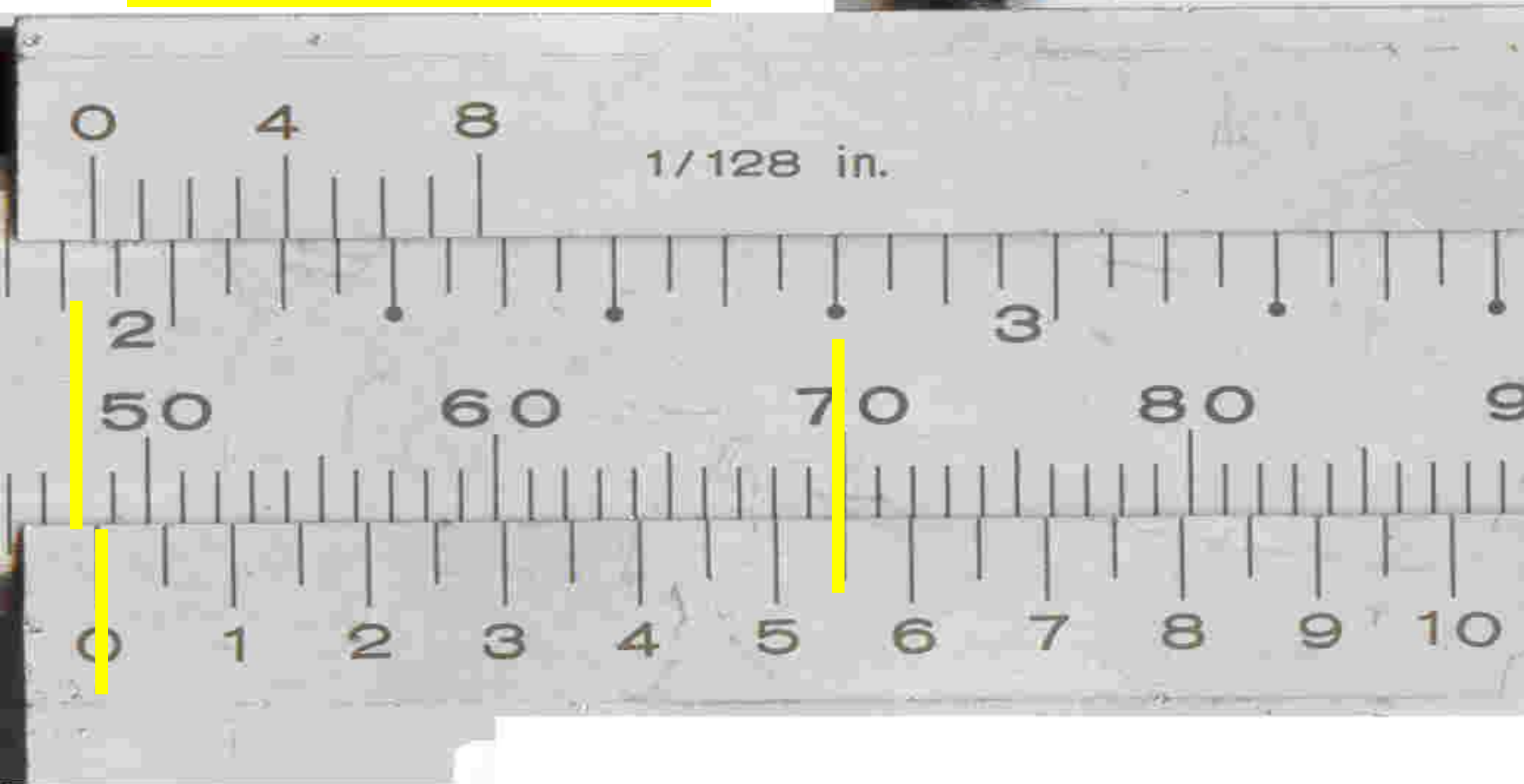
23.700 mm



48.



48.55

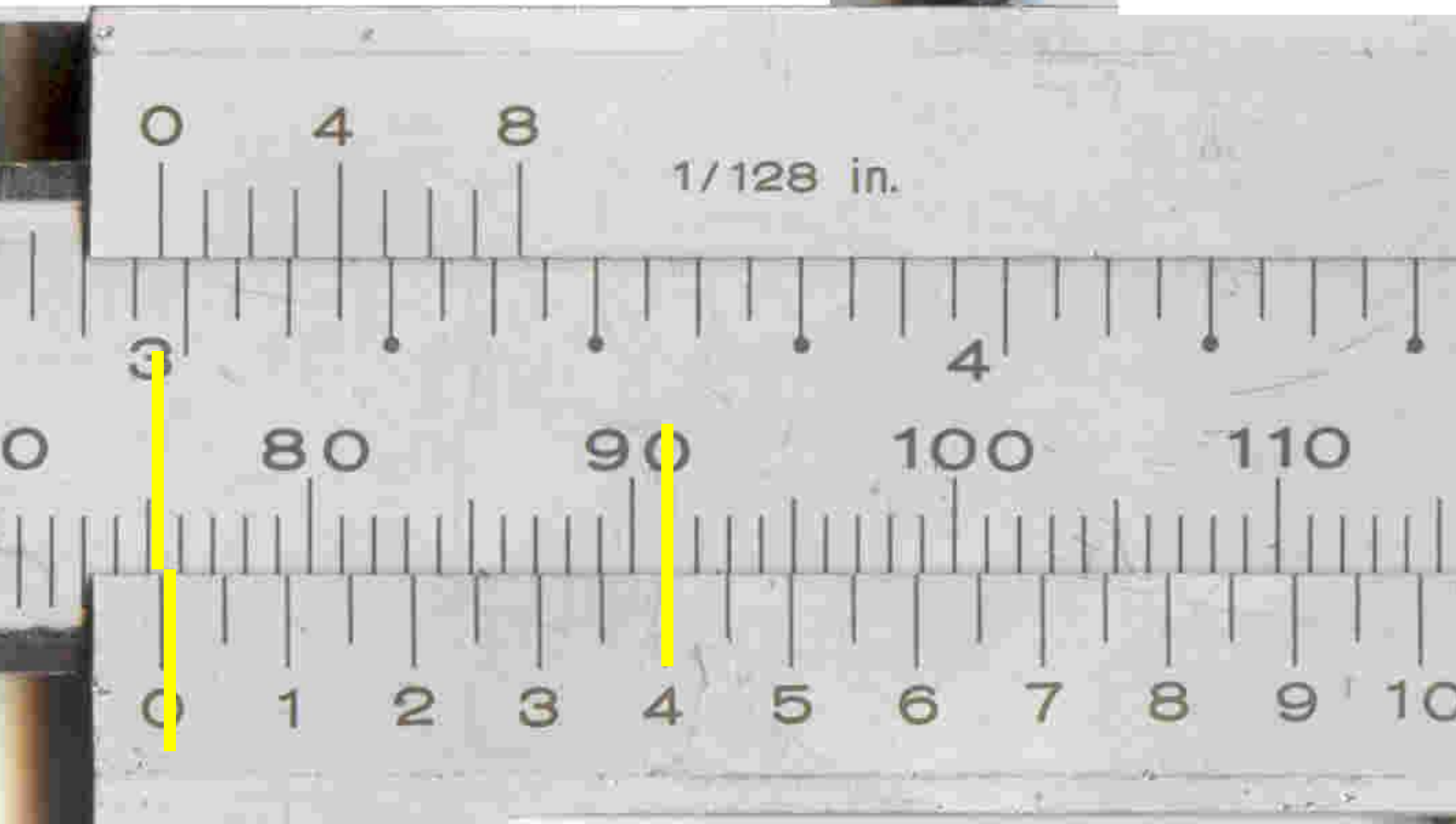
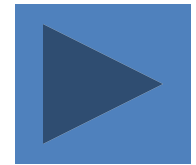


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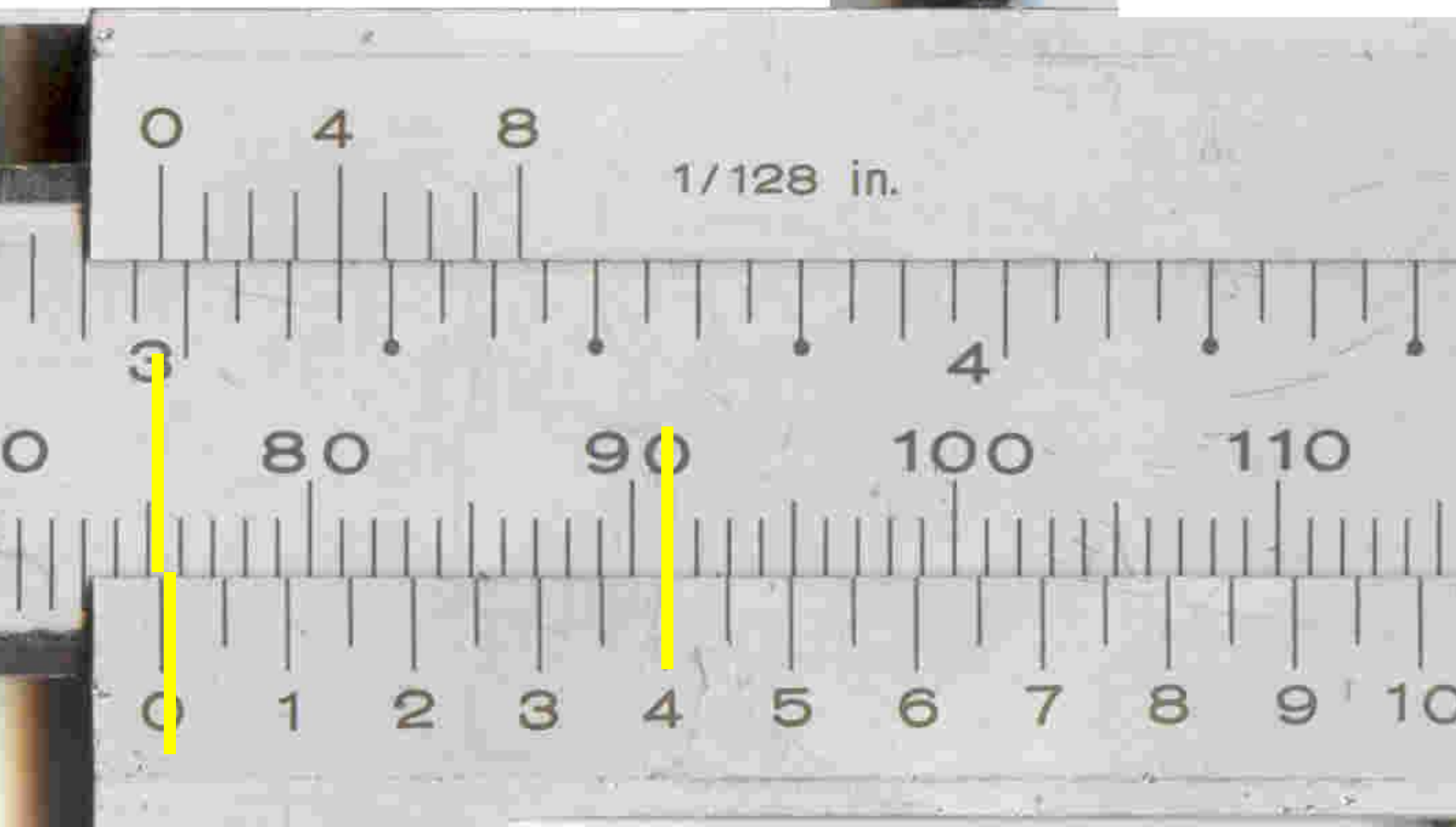
48.550 mm



75.



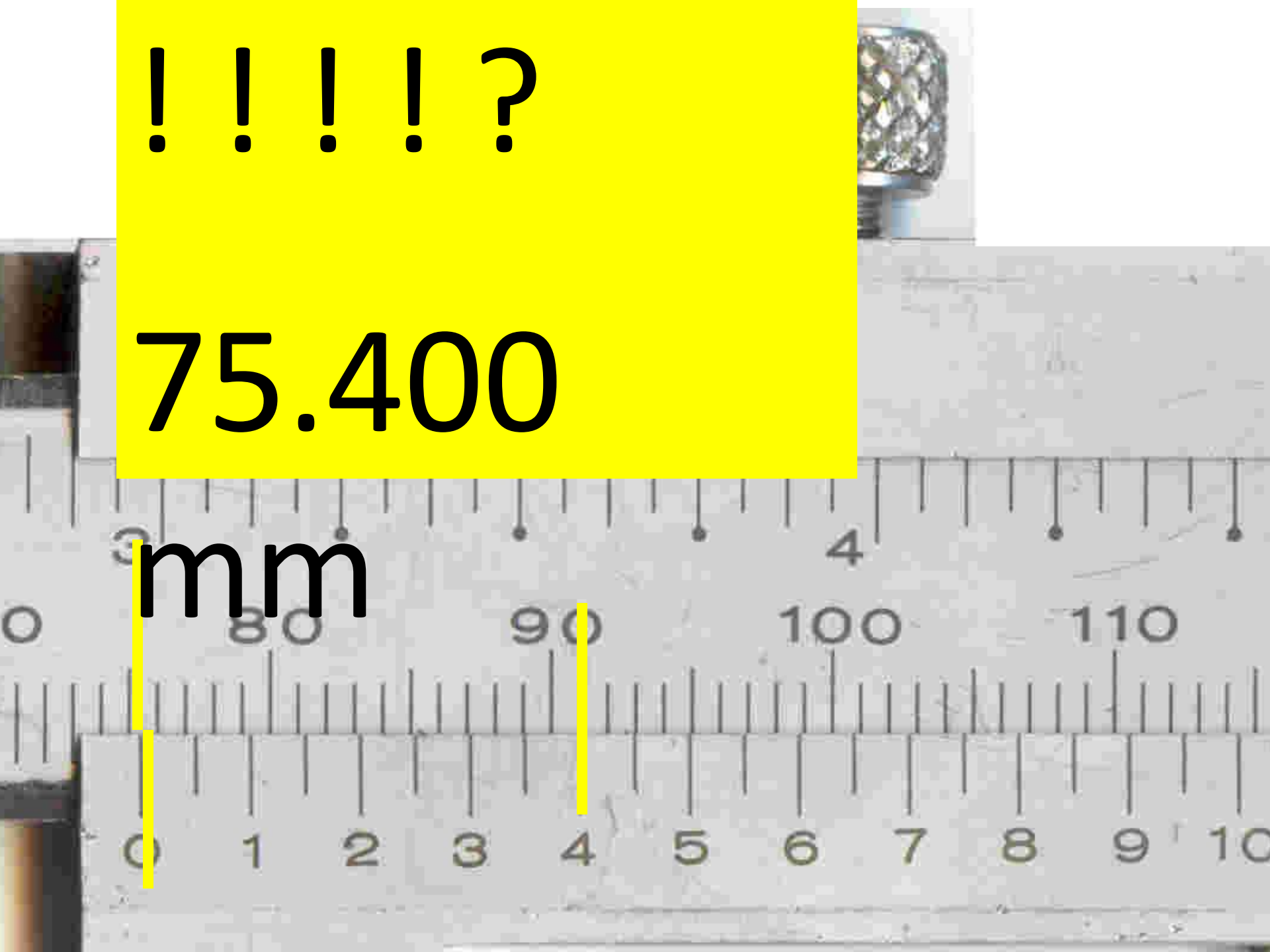
75.40



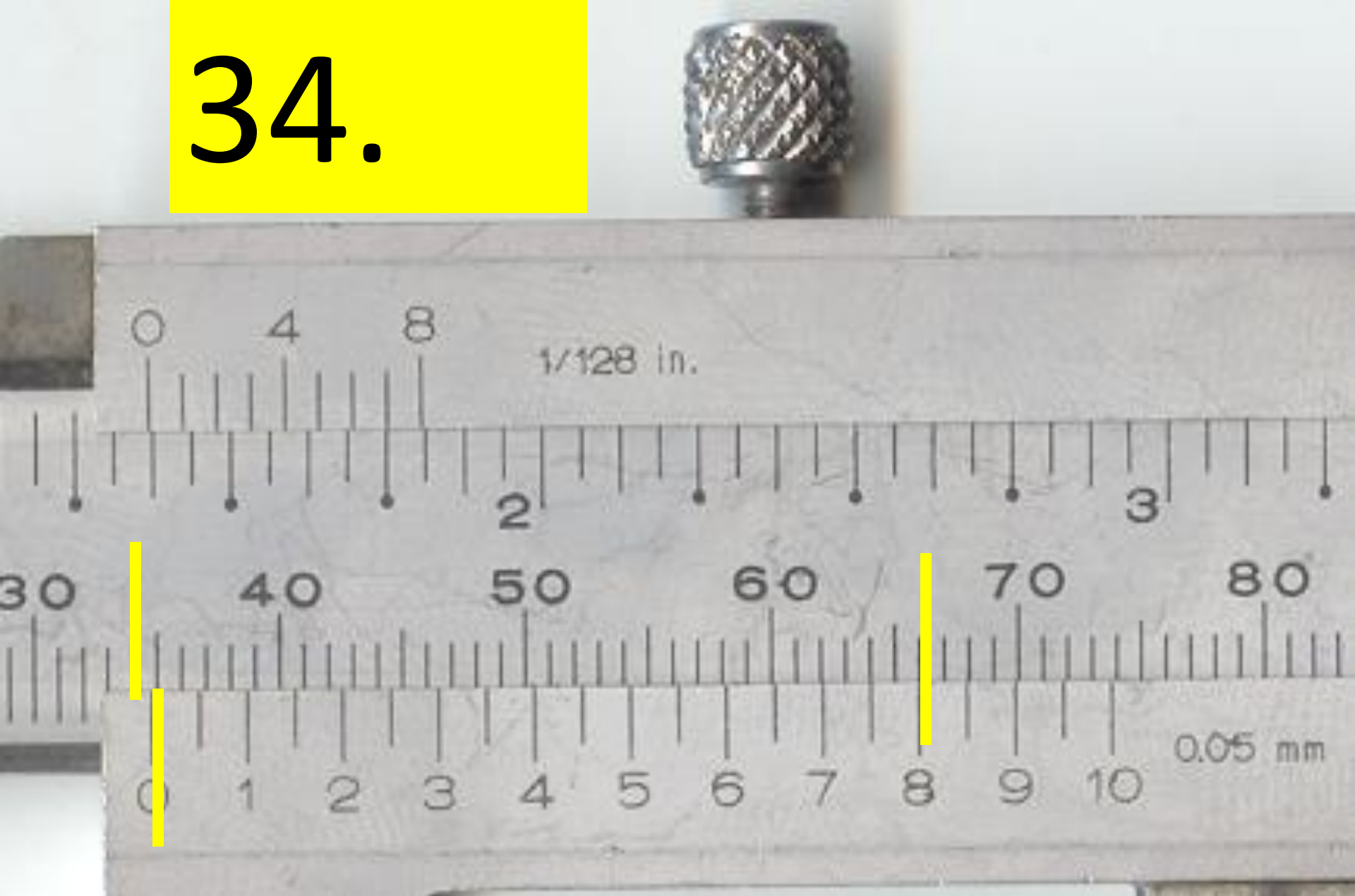
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75.400

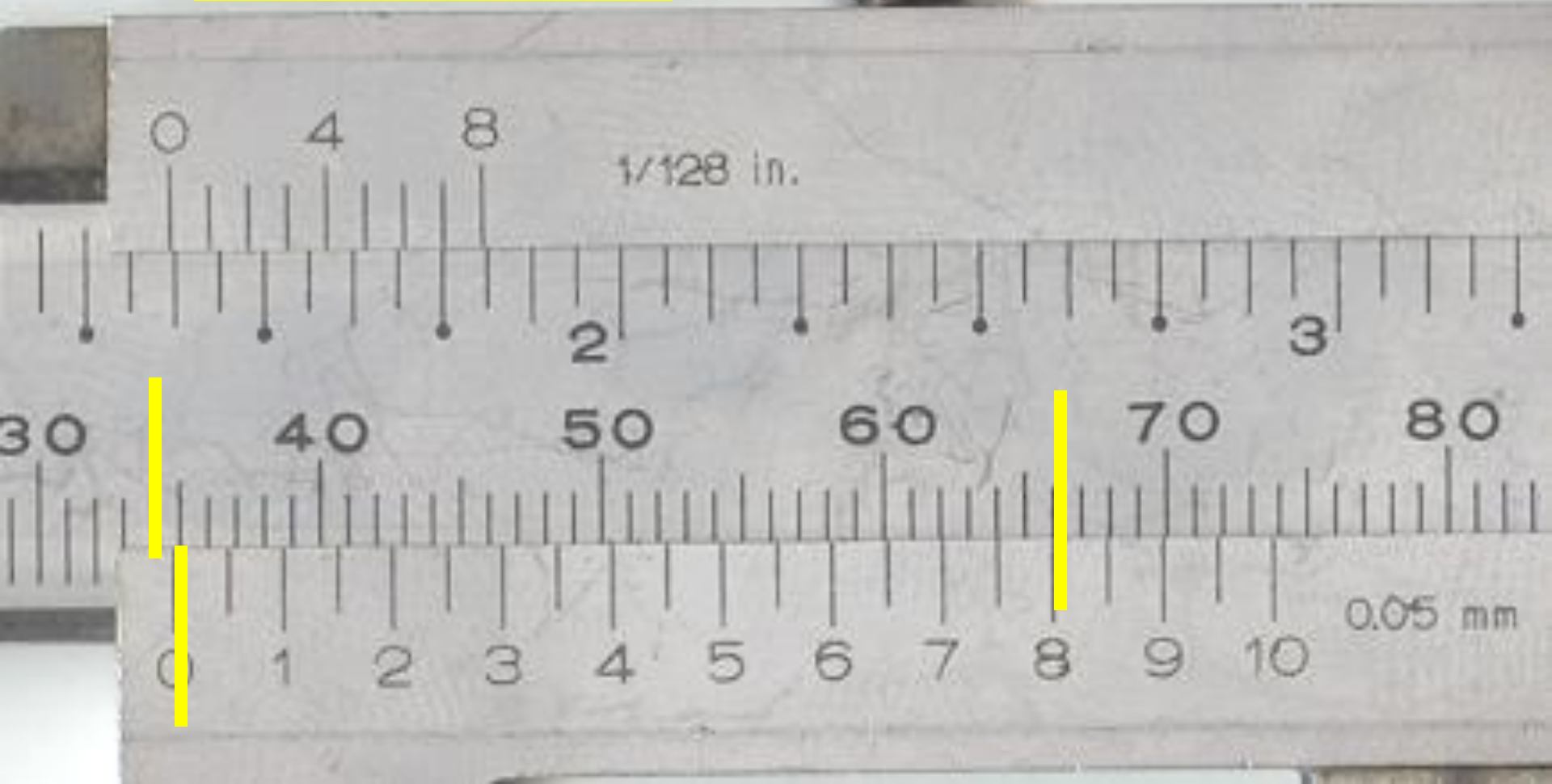
mm



34.



34.80



!!!!?

34.800

mm



