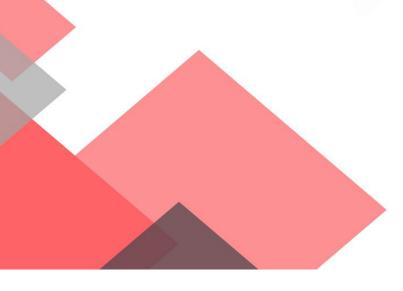


Self-assessment Vernier caliper

Project number: 2021-1-DE02-KA220-VET-000029587

PR3/A2: Self-training material for enriching current online experiments





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- 1. What is the main function of a Vernier caliper?
 - a) To measure only external dimensions of objects
 - b) To measure both internal and external dimensions of objects
 - c) To measure only the depth of objects
 - d) To measure the weight of objects
- 2. Who invented the Vernier caliper?
 - a) Blaise Pascal
 - b) Pierre Vernier
 - c) Isaac Newton
 - d) Albert Einstein
- 3. Which part of the Vernier caliper is used to measure the internal dimensions of objects?
 - a) Lower jaws
 - b) Depth rod
 - c) Upper jaws
 - d) Main scale
- 4. What is the least count of a digital Vernier caliper typically?
 - a) 0.1mm
 - b) 0.01mm
 - c) 0.001mm
 - d) 1mm
- 5. How is the least count of a Vernier caliper calculated?
 - a) MSD + VSD
 - b) MSD / VSD
 - c) MSD (VSD/n)
 - d) MSD * VSD
- 6. If the Vernier scale has 50 divisions which are equivalent to 2.45 cm, what is the least count of the Vernier caliper?
 - a) 0.01cm
 - b) 0.02cm
 - c) 0.001cm
 - d) 0.05cm
- 7. What is a positive zero error in a Vernier caliper?
 - a) When the reading is negative and away from 0.00 mm
 - b) When the reading is positive and away from 0.00 mm
 - c) When the Vernier scale reads exactly 0.00 mm
 - d) When the jaws are misaligned
- 8. What should you do if you detect a zero error in a Vernier caliper?
 - a) Ignore it
 - b) Compensate for it in the final reading
 - c) Replace the caliper immediately
 - d) Adjust the zero adjustment screw
- 9. Which of the following is NOT a common mistake when reading Vernier caliper measurements?

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- a) Looking at the caliper from an angle
- b) Using the caliper on sharp objects
- c) Ensuring the jaws meet perfectly at the zero mark
- d) Misreading the decimal point on the Vernier scale
- 10. Which application does NOT typically use Vernier calipers?
 - a) Engineering
 - b) Manufacturing
 - c) Scientific research
 - d) Cooking

Right answer:

- 1. B
- 2. B
- 3. C
- 4. B
- 5. C
- 6. C
- 7. B
- 8. B
- 9. C
- 10. D

