

Homework - Using Gage Blocks

Student Name _____ Date: _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) An AA set of gage blocks has a size tolerance of +/- .000002 inch. This set is: 1) _____
A) A laboratory grade set B) An inspection grade set
C) A shop grade set D) An always accurate set

2) A conditioning stone is: 2) _____
A) Used to bevel gage block edges B) A fine abrasive
C) Used sparingly for deburring gage blocks D) Used as a gage block heat sink

3) As gage blocks are disassembled and replaced, they are: 3) _____
A) Handled only with cloth or tissue B) Coated with preservative
C) Thoroughly cleaned D) All of the above

4) Wear blocks are used: 4) _____
A) For machine setups involving cutting tools
B) To determine the accuracy of optical flats
C) To gain additional measuring capacity with the gage block set
D) To protect the gage blocks on the ends of the stack from damage by direct contact

5) Gage block wear may be caused from: 5) _____
A) Burrs, dirt, and dust
B) Leaving blocks wrung for an extended periods of time
C) Improper handling
D) All of the above

6) A heat sink, in regards to gage blocks is: 6) _____
A) A device to calibrate thermometers used to check gage block temperatures
B) Used to keep gage block from warping due to heat
C) Used to restore gage block temperature to the surrounding temperature
D) Used to maintain the temperature in the gage lab at a constant level

7) When assembling a gage block stack with assembly screws: 7) _____
A) A torque screwdriver should be used
B) Gage blocks need not be wrung as the screw will hold them together
C) Use any available screwdriver
D) Tighten one and one-half turns to displace any air in the wringing interval