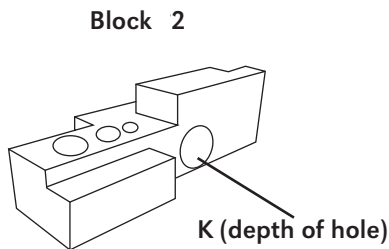
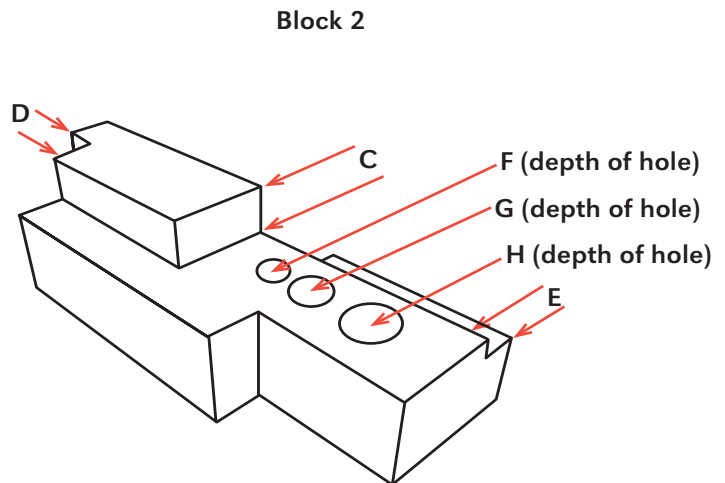
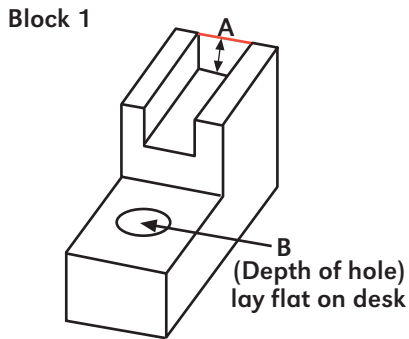


**Precision Measure Student Workbook**

At the end of each activity, follow the instructions for taking the daily response tests. Write down your answers on this sheet and keep it to turn it in to your instructor. Do not write inside the workbook.

**Section I**

Use the micrometer depth gauge to make the following measurements of the sides of the blocks as indicated in the diagrams below. Express your answers in thousandths of an inch and record them on the blanks provided.



**Block 1**

- 1. The depth of slot A on block 1
- 2. The depth of hole B on block 1

**Answers**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_

**Block 2**

- 3. The height of shoulder C on block 2
- 4. The width of extension D on block 2
- 5. The step of E on block 2
- 6. The depth of hole F on block 2
- 7. The depth of hole G on block 2
- 8. The depth of hole H on block 2
- 9. The depth of hole K on block 2

- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_



Determine the most appropriate precision instrument needed to make each of the measurements indicated below. Record the measurements on the blanks provided. Include the tool used for each situation. Be sure to express the measurements accordingly.

**Block 1**

- 1. The thickness of C
- 2. The length of H

**Answers**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_

**Tool**

- \_\_\_\_\_
- \_\_\_\_\_

**Block 2**

- 3. The length of N
- 4. The height of R
- 5. The diameter of Y
- 6. The height of W
- 7. The height of L

- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Block 3**

- 8. The inside diameter of HH
- 9. The thickness of GG
- 10. The outside diameter of II

- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_