**Introduction to the 1/16 Inch Ruler**

**Directions:**
Using the diagram below, determine the measurement at each letter to the nearest 1/16. Be sure to put your answers in lowest terms.

![Ruler Diagram]

A _________  G _________  
B _________  H _________  
C _________  I _________  
D _________  J _________  
E _________  K _________  
F _________  L _________
Directions: Using the diagram below, determine the measurement at each letter to the nearest 1/16. Be sure to put your answers in lowest terms.

A 3/16
B 1/2
C 1 5/8
D 1 3/4
E 2 3/8
F 2 7/16
G 3 3/4
H 4 3/8
I 4 5/16
J 5
K 5 11/16
L 6 7/8
### Using 1/16 Inch Fractions

<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Date</th>
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**Part I: REDUCE**

**Directions:** For each measurement, fill in the blanks in each fraction. All measurements are in inches. You may use the blank space to the right of the problems to show your work.

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>A. $\frac{1}{2}$</td>
<td>$\frac{4}{4}$</td>
<td>$\frac{8}{8}$</td>
<td>$\frac{16}{16}$</td>
</tr>
<tr>
<td>B. $\frac{1}{4}$</td>
<td>$\frac{8}{8}$</td>
<td>$\frac{16}{16}$</td>
<td></td>
</tr>
<tr>
<td>C. $\frac{3}{4}$</td>
<td>$\frac{8}{8}$</td>
<td>$\frac{16}{16}$</td>
<td></td>
</tr>
<tr>
<td>D. $\frac{2}{2}$</td>
<td>$\frac{4}{4}$</td>
<td>$\frac{8}{8}$</td>
<td>$\frac{16}{16}$</td>
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</tbody>
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**Part II: SIMPLIFY**

**Directions:** For each measurement, simplify each fraction in lowest terms. Do not use decimals. Answers must be in whole number and/or fraction form. All measurements are in inches. You may use the blank space to the right of the problems to show your work.

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<thead>
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<tbody>
<tr>
<td>E. $\frac{4}{8}$</td>
<td>$\frac{12}{12}$</td>
<td></td>
</tr>
<tr>
<td>F. $\frac{16}{16}$</td>
<td>$\frac{10}{10}$</td>
<td></td>
</tr>
<tr>
<td>G. $\frac{16}{16}$</td>
<td>$\frac{3}{3}$</td>
<td></td>
</tr>
<tr>
<td>H. $\frac{2}{2}$</td>
<td>$\frac{11}{11}$</td>
<td></td>
</tr>
<tr>
<td>I. $\frac{4}{4}$</td>
<td>$\frac{11}{11}$</td>
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</tbody>
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Part I

Directions:
Determine the measurement from zero to the marked point on each ruler to the nearest 1/16. Be sure to put your answers in lowest terms.

A ________

B ________

C ________

D ________

E ________

F ________
Part II

Directions: On each ruler, draw an arrow to the correct place for the given measurement. All measurements begin at zero.

EXAMPLE:

G 1 3/8”

H 2 1/4”

I 3 3/16”

J 4 7/16”

K 5 5/8”

L 3 15/16”
Part I

Directions:
Determine the measurement of each line from start to end point to the nearest 1/16. Be sure to put your answers in lowest terms.

A

B

C

D

E

F
Part II

Directions:
For each measurement, a starting point is given, draw a line to the correct end point as shown in the example.

Y 2”

G 3 3/8”

H 2 9/16”

I 3 1/4”

J 1 15/16”

K 2 7/8”

L 1 3/16”
**Using 1/16 Measurements Practice 1**

**Directions:** For each set of measurements, add, subtract, or multiply them together as directed to get a total measurement. Do not use decimals. Answers must be in whole number and/or fraction form. Be sure to put your answers in lowest terms. All measurements are in inches. You may use the blank space to the right of the problems to show your work.

**Part I: ADDING MEASUREMENTS**

A. \[3 + 1 \frac{3}{8} = \]  

B. \[2 \frac{7}{8} + 2 \frac{7}{8} = \]  

C. \[4 \frac{1}{16} + 2 \frac{3}{16} = \]  

D. \[\frac{3}{8} + \frac{5}{16} = \]  

E. \[1 \frac{3}{4} + \frac{5}{8} + 2 \frac{7}{16} = \]  

**Part II: SUBTRACTING MEASUREMENTS**

F. \[3 - 1 \frac{3}{8} = \]  

G. \[4 \frac{1}{4} - \frac{3}{16} = \]  

H. \[5 \frac{7}{8} - 1 \frac{9}{16} = \]  

I. \[1 \frac{15}{16} - \frac{3}{4} = \]  

J. \[6 \frac{1}{2} - \frac{5}{8} - 1 \frac{5}{16} = \]  

**Part III: MULTIPLYING MEASUREMENTS**

K. \[2 \times \frac{3}{8} = \]  

L. \[3 \times 1 \frac{5}{16} = \]
Directions: Using a ruler, measure each line to the closest 1/16 of an inch from outside mark to outside mark. Do not use decimals. Answers must be in whole number and/or fraction form. Be sure to put your answers in lowest terms.

A

B

C

D

E

F

G

H

I

J