The standard ruler is broken up into even sections. The inch is broken up into halves, quarters, eighths, and sixteenths. You can tell what division each is by the length of the line. The smaller the division, the smaller the line is. The following figures show this breakdown.
The BIG Inch – Graduations Applied to a Ruler

Name _______________________

A. Use your “BIG Inch” to measure the following lines to the nearest \( \frac{1}{16} \)th. Write the length in column A.

1. |______|
2. |______|
3. |______|
4. |______|
5. |______|
6. |______|
7. |______|
8. |______|
9. |______|
10. |____________________|


A    B
1. ___   ___
2. ___   ___
3. ___   ___
4. ___   ___
5. ___   ___
6. ___   ___
7. ___   ___
8. ___   ___
9. ___   ___
10. ___   ___

B. Use a ruler to measure the following lines to the nearest \( \frac{1}{16} \)th. Write the length in column B.

C. Attach your paper scale (BIG Inch) below
Measuring 1a

Write the measurement indicated by the arrow in the space provided by the corresponding letter. Caution: make sure you read the scales carefully to get the correct measurement.

1. A_____ B_____ C_____ D_____ E_____ F_____ G_____ =

2. A_____ B_____ C_____ D_____ E_____ F_____ G_____ =

3. A_____ B_____ C_____ D_____ E_____ F_____ G_____ =

4. A_____ B_____ C_____ D_____ E_____ F_____ G_____ =

5. A_____ B_____ C_____ D_____ E_____ F_____ G_____ =
Measuring 1b

Write the measurement indicated by the arrow in the space provided by the corresponding letter. Caution: make sure you read the scales carefully to get the correct measurement.

1. A _____ B _____ C_____ D_____ E_____ F_____ G_____ =

2. A _____ B _____ C_____ D_____ E_____ F_____ G_____ =

3. A _____ B _____ C_____ D_____ E_____ F_____ G_____ =

4. A _____ B _____ C_____ D_____ E_____ F_____ G_____ =

5. A _____ B _____ C_____ D_____ E_____ F_____ G_____ =

Name ____________________
Measuring 1c

Name ______________________

Write the measurement indicated by the arrow in the space provided by the corresponding letter. Caution: make sure you read the scales carefully to get the correct measurement.

1. A ____ B ____ C____ D____ E____ F____ G____

2. A ____ B ____ C____ D____ E____ F____ G____

3. A ____ B ____ C____ D____ E____ F____ G____

4. A ____ B ____ C____ D____ E____ F____ G____

5. A ____ B ____ C____ D____ E____ F____ G____
Measuring 2

D. Use a ruler to mark the lines to correspond to the dimension indicated.

11. 3” |
12. 2 1/2” |
13. 4 3/4” |
14. 5 5/8” |
15. 2 11/16” |
16. 4 7/16” |
17. 1 3/16” |
18. 2 5/16” |
19. 1 9/16” |

E. Use a ruler to draw a line the length indicated.

a. 3 1/2” |
b. 6” |
c. 4 3/4” |
d. 2 9/16” |
e. 1 5/16” |
f. 5 1/8” |
g. 3 13/16” |
h. 4 3/8” |
i. 1 1/16” |