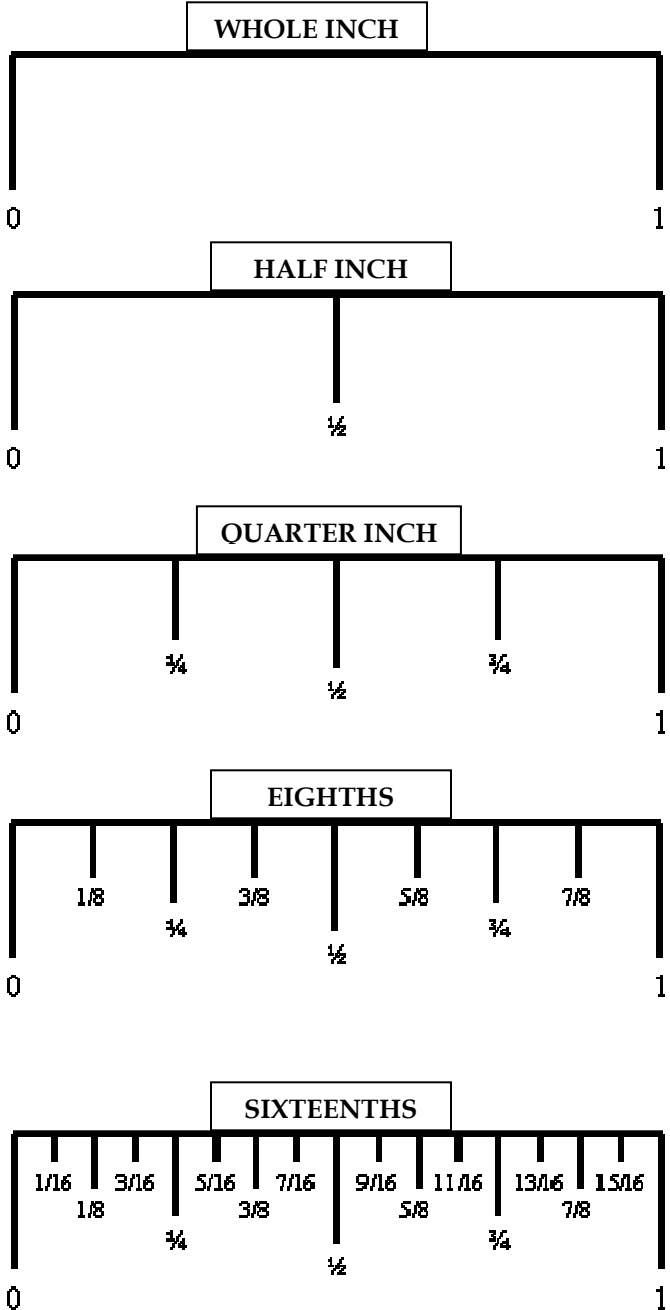# Measuring:
How a standard ruler is divided up

Name: _____   **Period:** _____
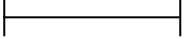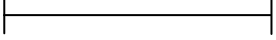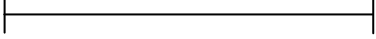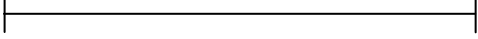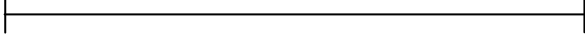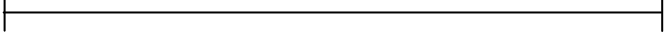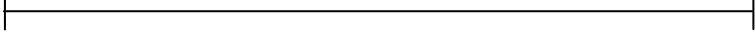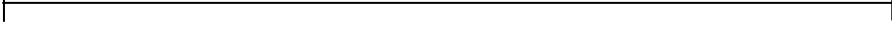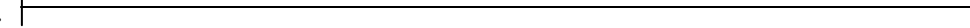
The standard ruler is broken up into even sections. The inch in broken up into halves, quarters, eighths, and sixteenths. You can tell what division each is by the length of the line. The smaller the division, the smaller the line is. The following figures show this break down.

WHOLE INCH

0   1

HALF INCH

0   ½   1

QUARTER INCH

0   ¼   ½   ¾   1

EIGHTHS

0   1/8   ¼   3/8   ½   5/8   ¾   7/8   1

SIXTEENTHS

0   1/16 1/8 3/16 ¼ 5/16 3/8 7/16 ½ 9/16 5/8 11/16 ¾ 13/16 7/8 15/16   1

The BIG Inch – Graduations Applied to a Ruler

Name _____

A. Use your "BIG Inch" to measure the following lines to the nearest **1/16th**. Write the length in column **A**.

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

1. |———|

2. |————————|

3. |——————————|

4. |————————————|

5. |——————————————|

6. |————————————————|

7. |——————————————————|

8. |————————————————————|

9. |——————————————————————|

10. |————————————————————————|

B. Use a ruler to measure the following lines to the nearest **1/16th**. Write the length in column **B**.

C. Attach your paper scale (BIG Inch) below

Measuring 1a

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_____

0   1   2   3   4   5   6

=

2. A_____ B_____ C_____ D_____ E_____ F_____ G_____

0   1   2   3   4   5   6

3. A_____ B_____ C_____ D_____ E_____ F_____ G_____

0   1   2   3   4   5   6

4. A_____ B_____ C_____ D_____ E_____ F_____ G_____

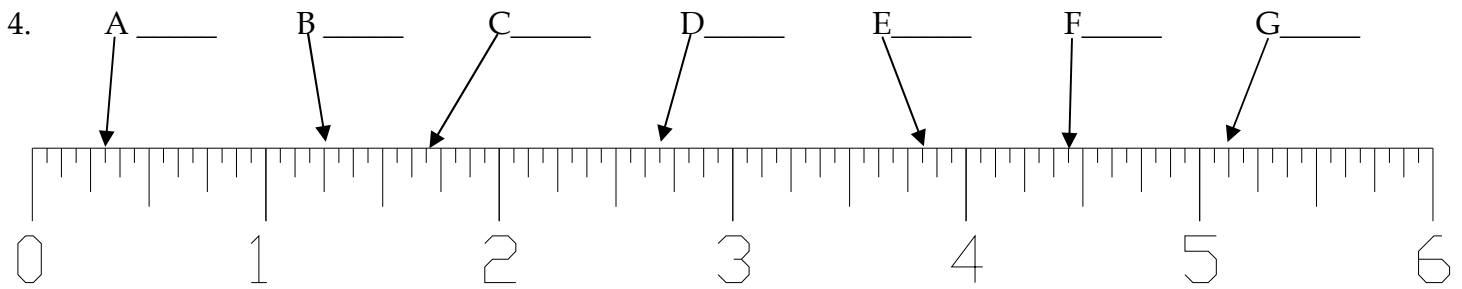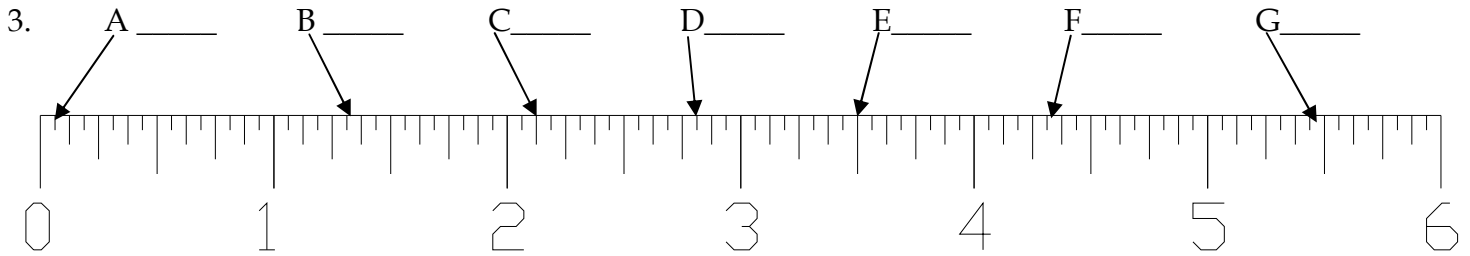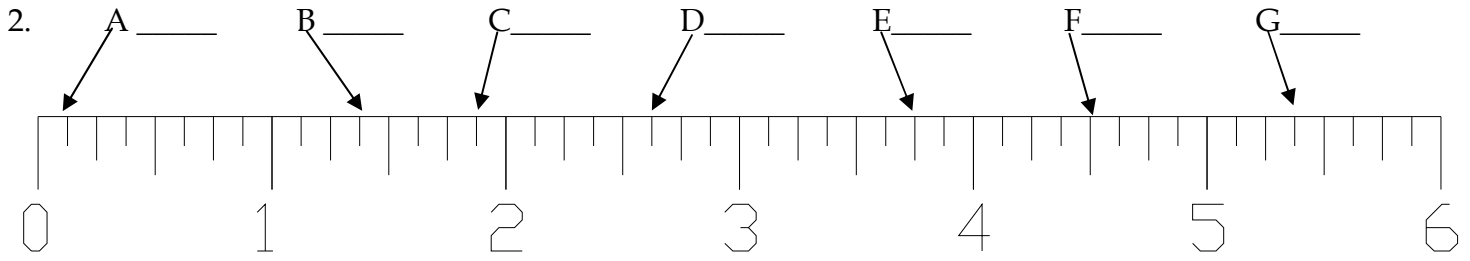0   1   2   3   4   5   6

5. A_____ B_____ C_____ D_____ E_____ F_____ G_____

0   1   2   3   4   5   6
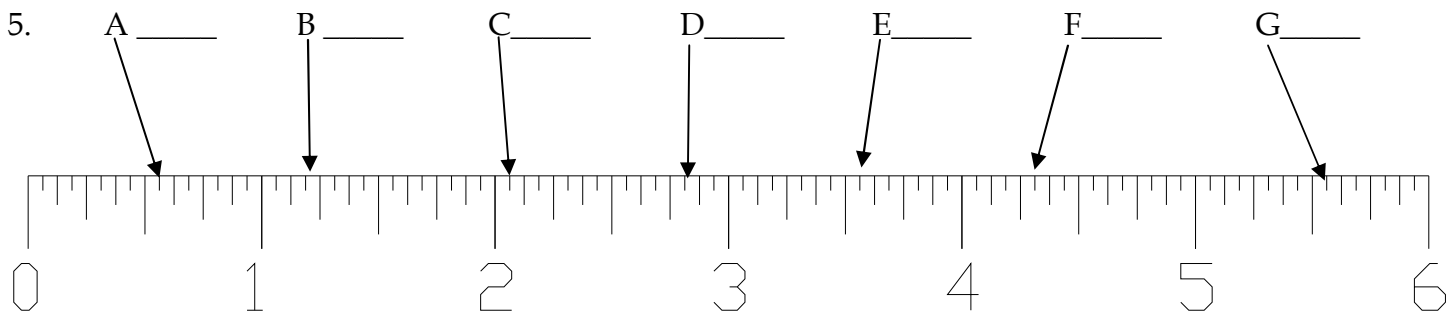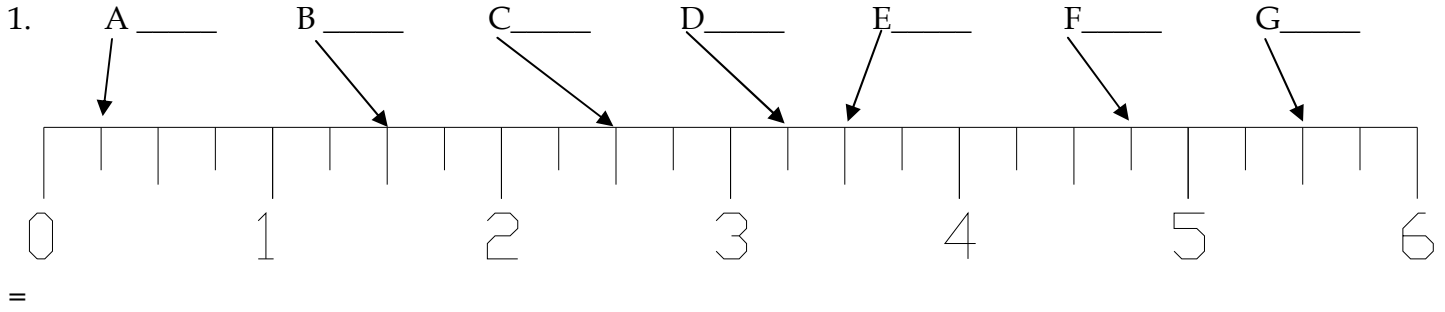
Measuring 1b

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 _____

0   1   2   3   4   5   6

=

2. A _____ B _____ C _____ D _____ E _____ F _____ G _____

0   1   2   3   4   5   6

3. A _____ B _____ C _____ D _____ E _____ F _____ G _____

0   1   2   3   4   5   6

4. A _____ B _____ C _____ D _____ E _____ F _____ G _____

0   1   2   3   4   5   6

5. A _____ B _____ C _____ D _____ E _____ F _____ G _____

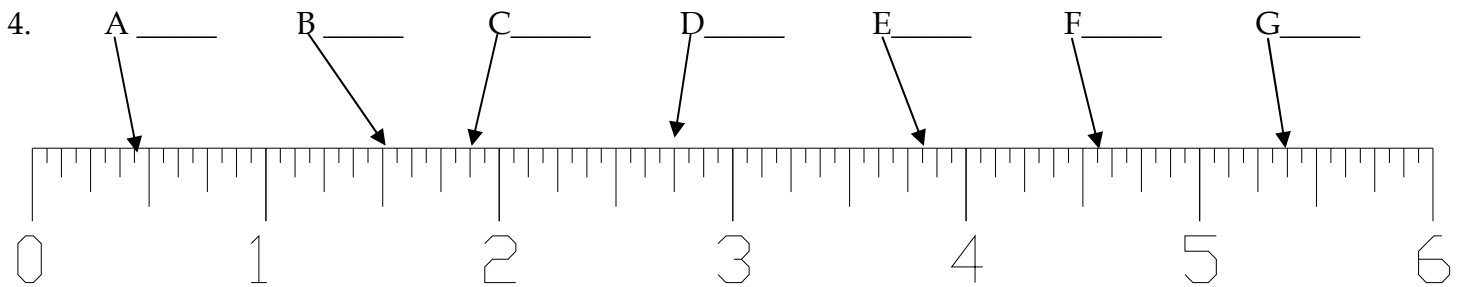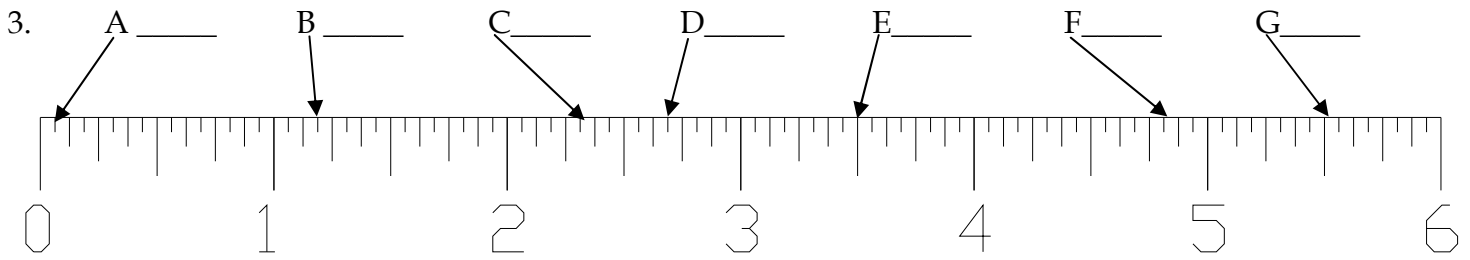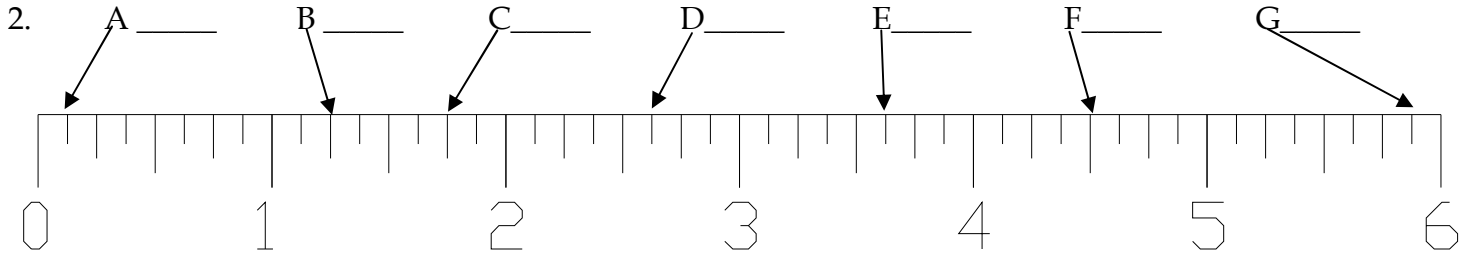0   1   2   3   4   5   6
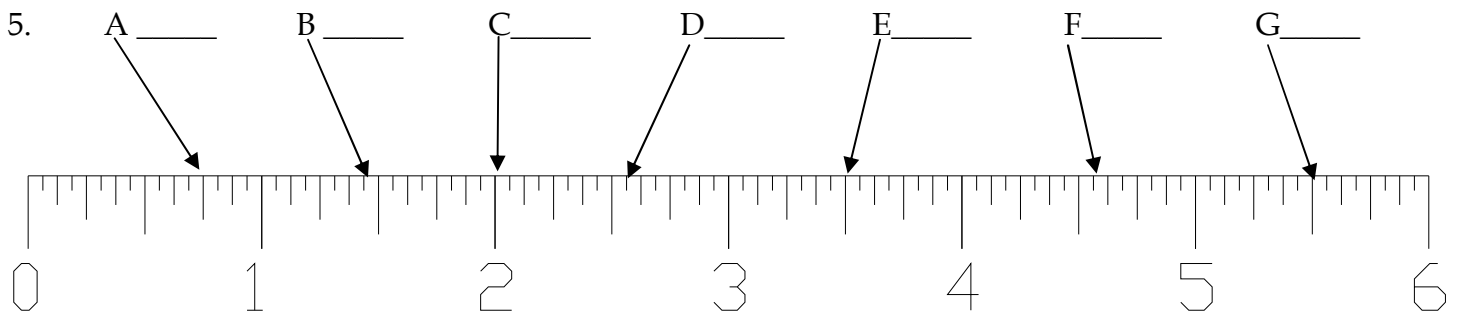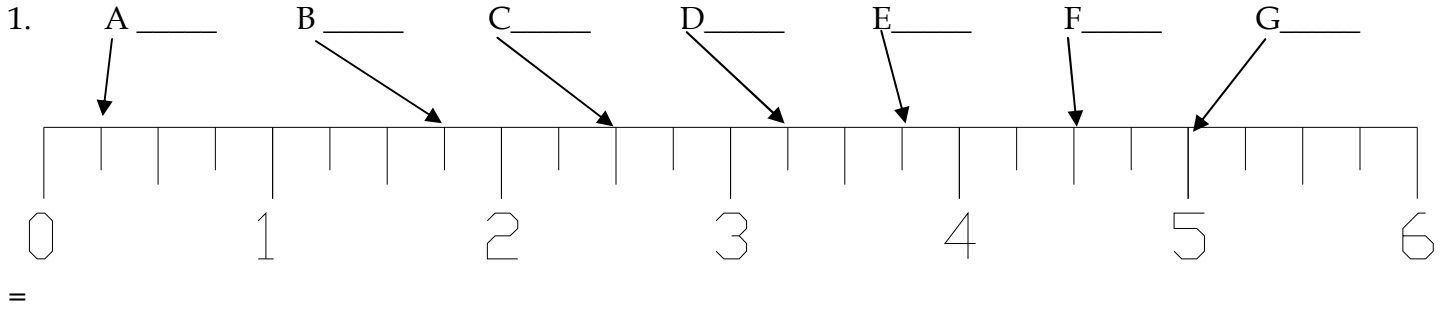
Measuring 1c

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____
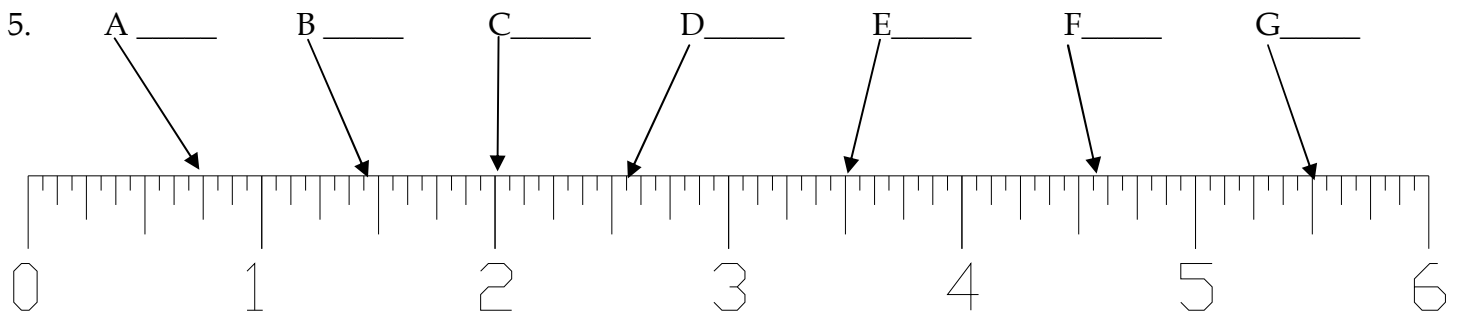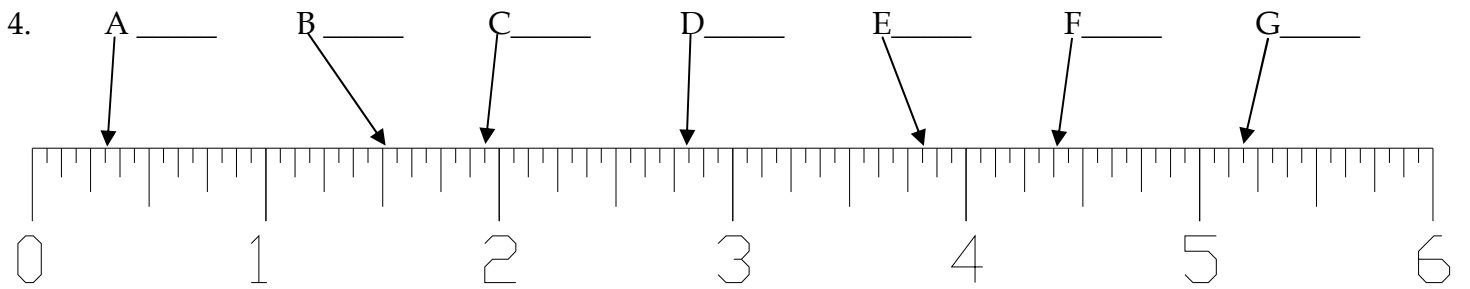
0 1 2 3 4 5 6

=

2. A____ B____ C____ D____ E____ F____ G____

0 1 2 3 4 5 6

3. A____ B____ C____ D____ E____ F____ G____

0 1 2 3 4 5 6

4. A____ B____ C____ D____ E____ F____ G____

0 1 2 3 4 5 6

5. A____ B____ C____ D____ E____ F____ G____

0 1 2 3 4 5 6
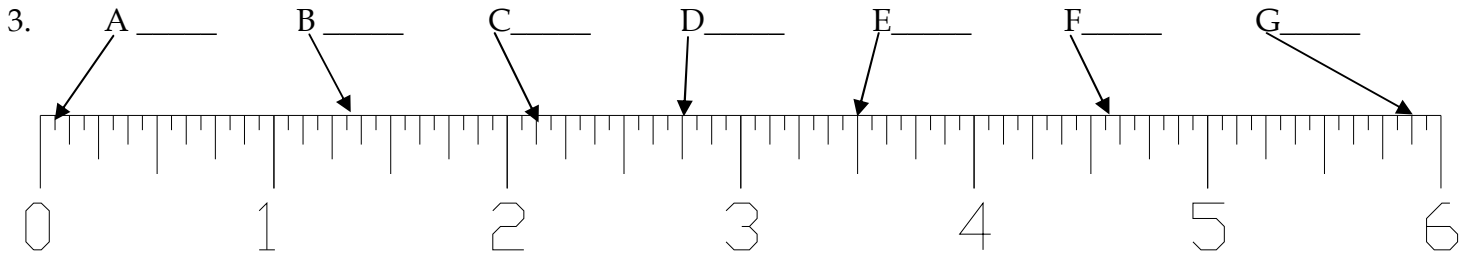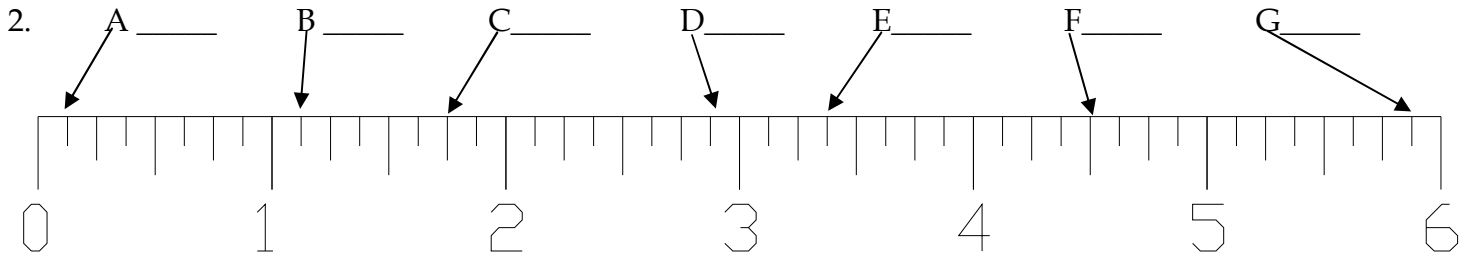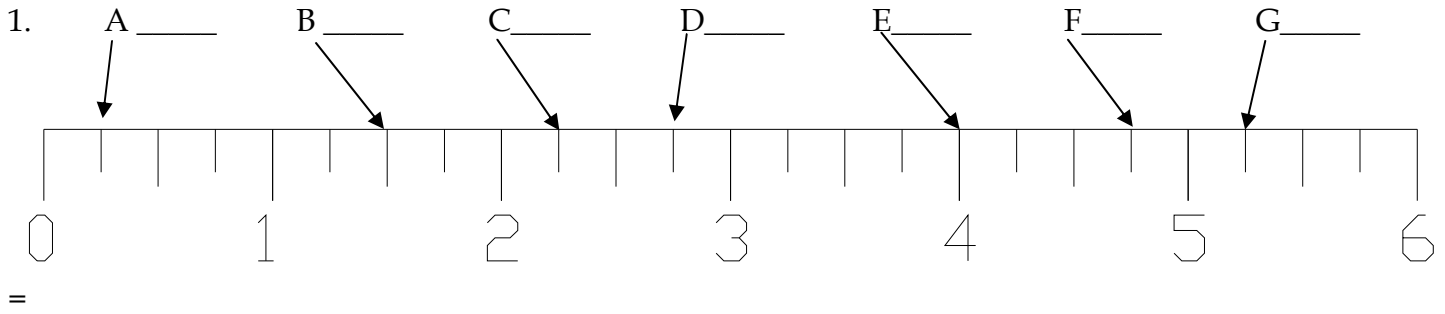
Measuring 2   Name _____

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

11. 3″   ├──

12. 2 ½″   ├──

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″   ├────