Basic Math and Measuring
Unit 5

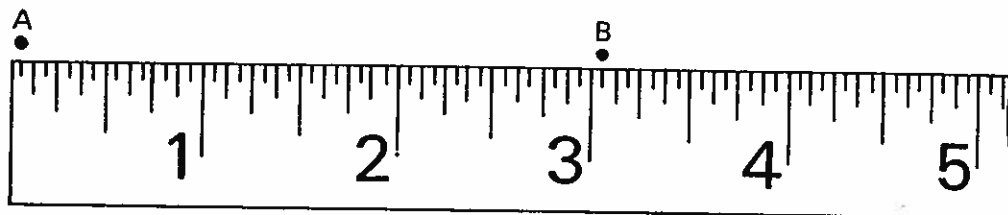## Assignment Sheet 12—Measure Distances with 1/16″ Graduations

Name _____ Overall Rating _____

Evaluation criteria	Rating
Accuracy with distance measurements	_____
Identification of missing fractions	_____
Evaluation of stated measurements	_____

Directions:. Study the rule in the illustration and carefully read the questions. Answer all questions in the form indicated.
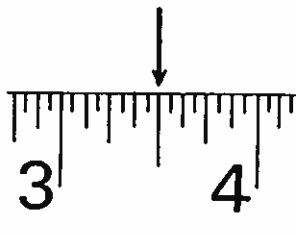
1. a. Each inch on the rule below is divided into _____ equal parts.

    b. Each small unit represents what fraction of an inch? _____

    c. How many sixteenths in an inch? _____; a half inch? _____
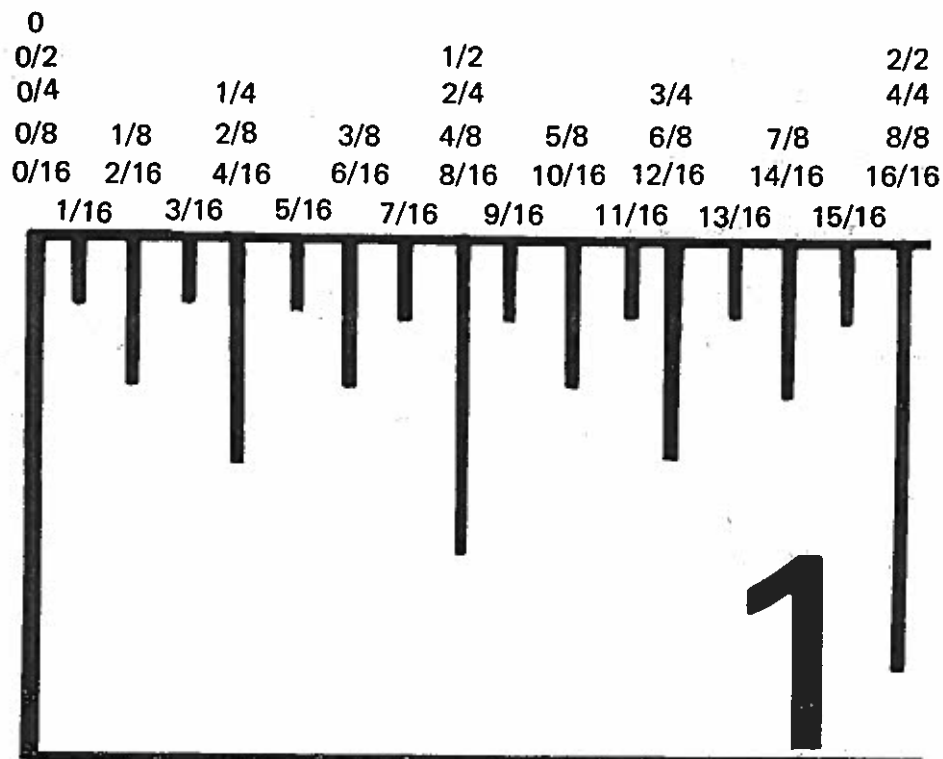

    d. How far is Point A from the zero end of the rule? _____

    e. How far is Point B from the zero end of the rule? _____

2. a. How many ½-inch units are in an inch? _____

    b. How many ⅛-inch units are in an inch? _____

    c. How many 1-inch units are in an inch? _____

    d. How many ¼-inch units are in an inch? _____

    e. How many 1/16-inch units are in an inch? _____

Assignment Sheet 12

b. The point marked on the rule below could be named 3⁹⁄₁₆. It could also be named $3\frac{}{8}$, $\frac{}{4}$, or $3\frac{}{2}$

6. The rule below shows that ¼, ⅜, and ⁴⁄₁₆ are all names for the same point on the rule.

0								
0/2				1/2				2/2
0/4		1/4		2/4		3/4		4/4
0/8	1/8	2/8	3/8	4/8	5/8	6/8	7/8	8/8
0/16	2/16	4/16	6/16	8/16	10/16	12/16	14/16	16/16
1/16	3/16	5/16	7/16	9/16	11/16	13/16	15/16	

a. Another name for ²⁄₁₆ is _____.

b. Other names for ¹²⁄₁₆ are _____.

c. Other names for 1 inch are _____.

Assignment Sheet 12

9.   What is the length of JK in:

Note: Read the rule to the nearest mark.

a.   Figure A _____

b.   Figure B _____

c.   Figure C _____

d.   Figure D _____

e.   Figure E _____

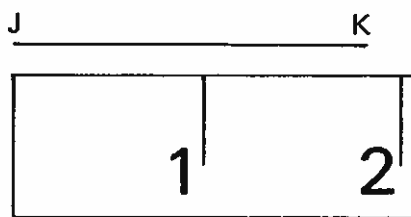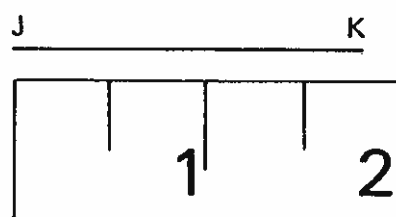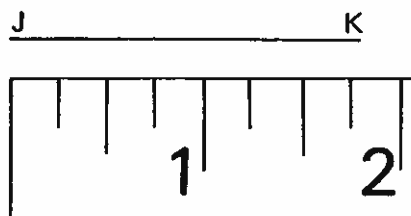f.   Which figure shows the rule that would give the most accurate measure of JK?
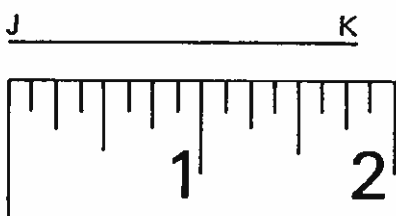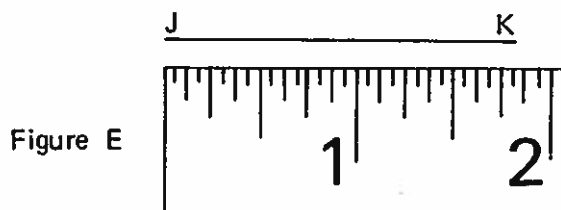   _____

Figure A

Figure B

Figure C

Figure D

Figure E