

Geometry

Length - Imperial System

Imperial System of Length/Distances

are

- **inches** (in.) or (") 6 in. 6"
- **feet** (ft) or (') 3 ft 3'
- **yards** (yd) 5 yds
- **miles** (mi.) 55 mi

Conversions

$$12 \text{ in.} = 1 \text{ ft}$$

$$3 \text{ ft} = 1 \text{ yd}$$

$$1760 \text{ yd} = 1 \text{ mi.}$$

$$\begin{array}{r} \times 3 \\ \hline 5280 \text{ ft} = 1 \text{ mi} \end{array}$$

Uses

- All distances

eg Wpg to Grand Forks 236.2 km
153 mi

- People's Heights *MATT 5'7"*
NICK 6'0"

eg Kobe Bryant is 6'6"

-Home Size

60' x 20'

eg 1200 sq ft = 40' long by 30' wide

Yard Size

eg 50 ft wide by 110 ft long

ODD NUMBER ON TOP
LEAVE $7/16$

EVEN NUMBER ON TOP
REDUCE IT $12/16 = 3/4$



A. $4/16 = 1/4$

B. $8/16 = 1/2$

C. $11/16$

D. $15/16$

E. $11/16$

F. $19/16$

G. $2 \frac{3}{16}$

H. $2 \frac{7}{16}$

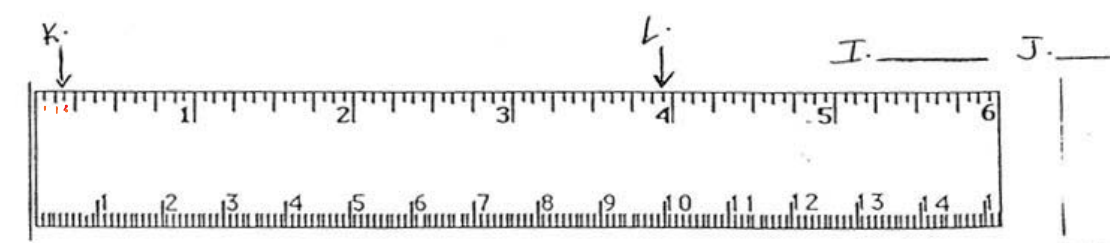
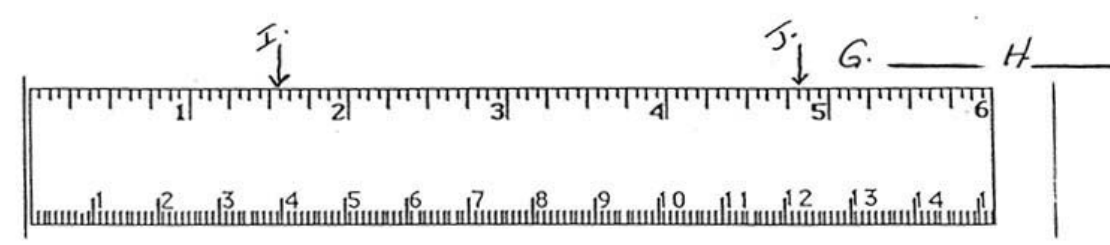
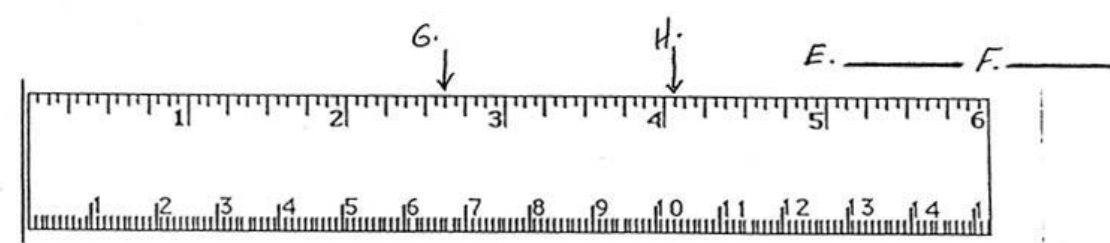
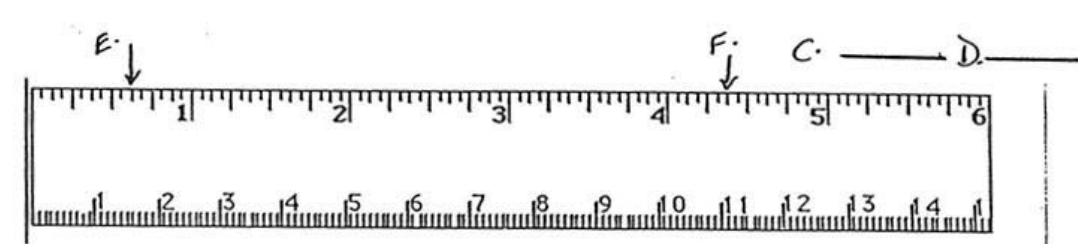
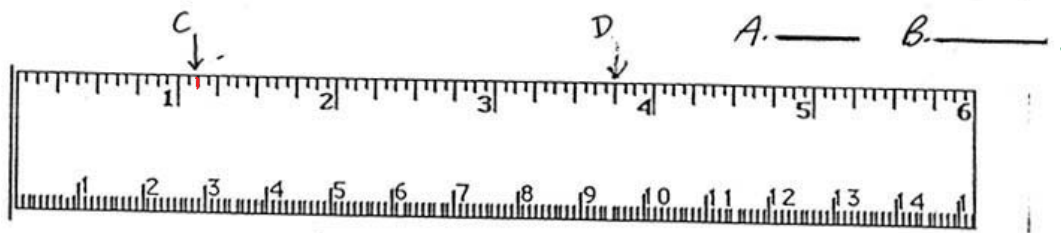
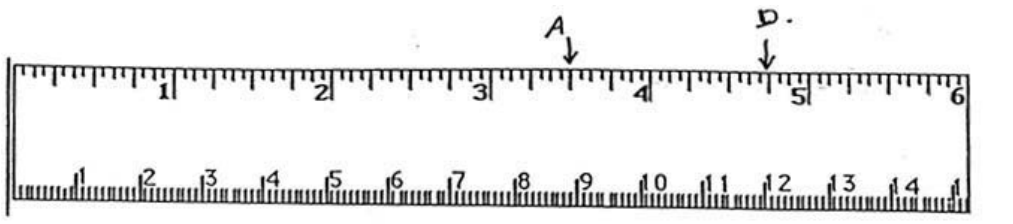
I. $2 \frac{13}{16}$

J. $3 \frac{5}{16}$

K. $3 \frac{15}{16}$

L. $4 \frac{3}{8}$

0



K. ——— L. ———

AssignRuler II
Measuring Lengths

Find the inches of each measure:

a) 5.25'

b) 4yd 20"

c) 2yd 3'

How many feet are there in:

a) 5 1/2 yds

b) 2.2 mi

c) 588 in

Rewrite in yards:

a) 4 mi

b) 16.5ft

c) 144"