

DISCUSSION...

Which imperial unit is the most appropriate unit to measure each item? Justify your choice.

- a) the height of your desk ft - in
- b) the thickness of a mattress in
- c) the width of a car yd - ft - in OR in OR ft - in
- d) the length of a flat panel TV in
- e) the distance from the school to your home mi

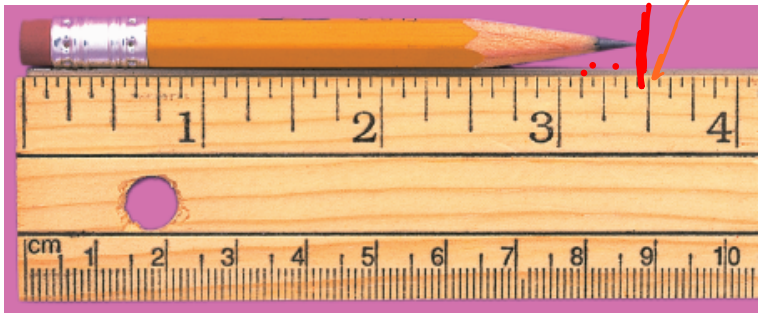




To measure the length of an object, first determine the smallest indicated unit by counting the number of divisions between two adjacent inch marks. The ruler below has ? divisions between two adjacent inch marks.

Scale $\frac{1}{16}$

$3\frac{8}{16} = 3\frac{1}{2}$ in
3 $\frac{7}{16}$ in



The pencil point is closest to ?

?

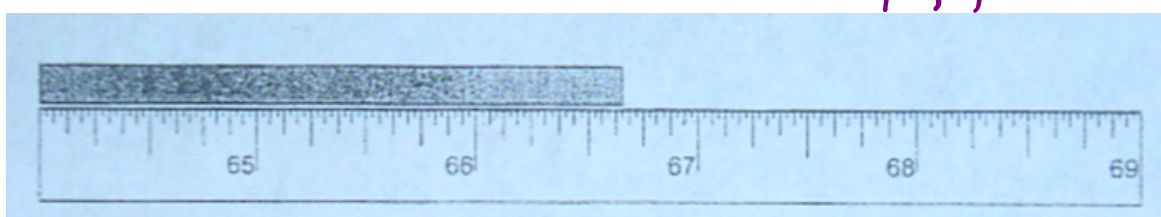


A fraction of an imperial measure of length is usually written in fraction form, not decimal form.

1.1 Imperial Measures of Length

What about feet and inches?

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



$$\underline{\underline{5}} \times 12 = 60 \quad \text{OR} \quad \frac{66}{12} = \underline{\underline{5}}$$


5 feet $6 \frac{21}{32}$ inches

Imperial Conversions

We will be working with units for length. The smallest unit we will use is the inch, followed by a foot, followed by a yard, and finally a mile. Read the top of page 143 and then copy and complete the table below.

| IMPERIAL CONVERSION TABLE | |
|---------------------------|----------------------------------|
| 1 foot = | <u>12</u> inches |
| 1 yard = | <u>3</u> feet = <u>36</u> inches |
| 1 mile = 1760 yards = | <u>5280</u> feet |

HOME *work* assignment...

 Assignment - Measuring in an Imperial System.pdf

Attachments

Assignment - Measuring in an Imperial System.pdf