

Chapter Review

Referents Object used to estimate measurements.

ex 1 in = last knuckle

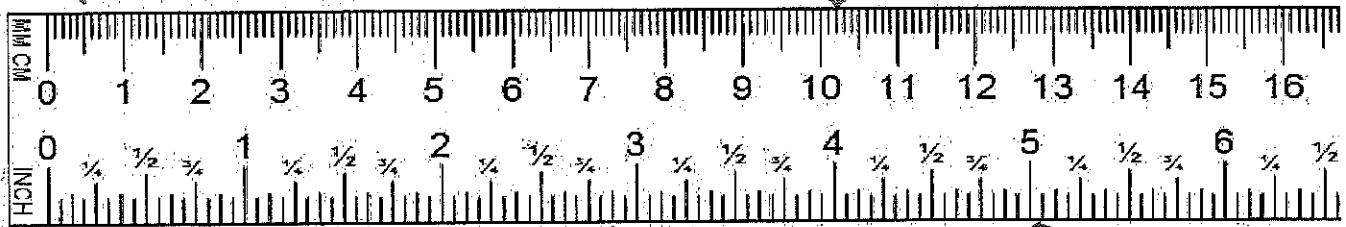
1 cm = width of finger

Metric System Based of multiples of 10

base unit = meter

each division = 0.1 cm
= 1 mm

102 mm
10.2 cm



Imperial System

Fractional divisions $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16}, \frac{1}{32}$

Conversions * use data booklet

Proportional Reasoning

ex 45 cm = ? ft

$$\frac{1 \text{ ft}}{30.48 \text{ cm}} = \frac{x \text{ ft}}{45 \text{ cm}}$$

Midpoint

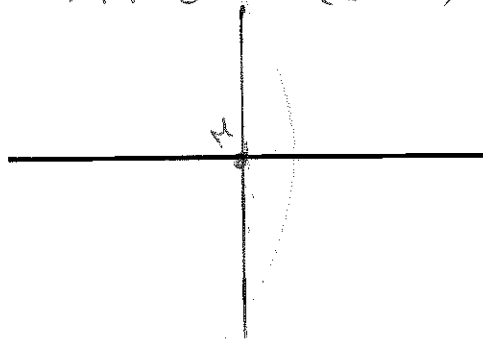
Data Booklet

• units in same position match.

• cross multiply ÷ divide

$$(1 \times 45 \div 30.48 = 1.48 \text{ ft})$$

$$1 \text{ ft } 6 \text{ in } (1'6'') \rightarrow \frac{1 \text{ ft}}{12 \text{ in}} = \frac{0.48 \text{ ft}}{x \text{ in}}$$



Fractions

Add/Subtract $\rightarrow$ Common denominator

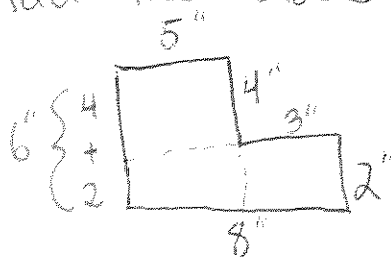
$$\frac{3}{4} + \frac{5}{8} \rightarrow \frac{6}{8} + \frac{5}{8} = \frac{11}{8} = 1\frac{3}{8}$$

$\times \frac{2}{2}$

Multiply $\rightarrow$ Top $\times$ Top, Bottom $\times$ Bottom / Divide $\rightarrow$ keep, change, flip

Perimeter

Add the sides



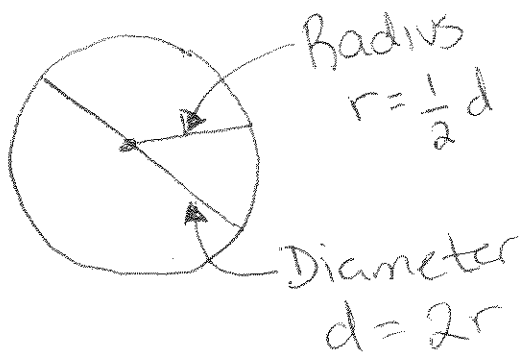
$$6 + 5 + 4 + 3 + 2 + 8 = 18''$$

Rectangle

$$P = 2(l + w)$$

$$P = 2l + 2w$$

Circumference



Circumference

$$C = \pi d$$

$$C = 2\pi r$$

$$d = \frac{C}{\pi}$$

$$r = \frac{C}{2\pi}$$

Ch 2-3 Test
Tuesday Oct 20