

Thursday, Jan 28th

Metric Conversions:

Word Problems

Examples taken from H/O p 171



K H D M D C M

$$\begin{aligned}
 h &= 4\text{m} \\
 &= 4.000 \\
 &= 400\text{cm}
 \end{aligned}$$

1 layer = Total of 52 bricks

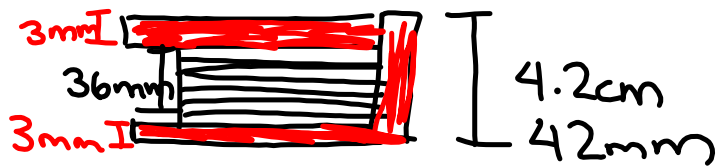
$$\begin{aligned}
 \# \text{ of layers} &= \\
 400 \div 8 &= 50 \text{ layers}
 \end{aligned}$$

$$\begin{array}{r}
 \text{Total \# of brick} = \\
 \begin{array}{r}
 50 \\
 \times 52 \\
 \hline
 100 \\
 + 2500 \\
 \hline
 2600 \text{ bricks}
 \end{array}
 \end{array}$$

b Total cost

$$\begin{array}{r}
 \overset{13}{2600} \\
 \times 1.25 \\
 \hline
 13000 \\
 + 152000 \\
 \hline
 260000 \\
 \hline
 \$3250.00
 \end{array}$$

③



$$1 \text{ sheet} = 0.225 \text{ mm}$$

$$\text{Height of sheets} = 42 - 3 - 3$$
$$= 36 \text{ mm}$$

$$\# \text{ of sheets} = 36 \div 0.225$$
$$= 160 \text{ pages}$$