

CW

ch-12 Measurement

Exercise 12 (A)

1.) Convert into centimetres

a.) $105 \text{ m} = 10,500 \text{ cm}$ b.) $4 \text{ m } 15 \text{ cm} = 415 \text{ cm}$

c.) $212 \text{ m} = 21,200 \text{ cm}$ d.) $18 \text{ m } 85 \text{ cm} = 1,885 \text{ cm}$

e.) $48 \text{ m } 57 \text{ cm} = 4857 \text{ cm}$ f.) $94 \text{ cm } 09 \text{ cm} = 9409 \text{ cm}$

g.) $714 \text{ m } 10 \text{ cm} = 71410 \text{ cm}$ h.) $840 \text{ m } 29 \text{ cm} = 84029 \text{ cm}$

2.) a.) $384 \text{ cm} = 3 \text{ m } 84 \text{ cm}$ b.) $12,715 \text{ cm} = 127 \text{ m } 15 \text{ cm}$

c.) $24,367 \text{ cm} = 243 \text{ m } 67 \text{ cm}$ d.) $552 \text{ cm} = 5 \text{ m } 52 \text{ cm}$

e.) $796 \text{ cm} = 7 \text{ m } 96 \text{ cm}$ f.) $62,815 \text{ cm} = 626 \text{ m } 15 \text{ cm}$

g.) $6,250 \text{ cm} = 62 \text{ m } 50 \text{ cm}$ h.) $92,945 \text{ cm} = 929 \text{ m } 45 \text{ cm}$

3.) a.) $35 \text{ km} = 35,000 \text{ m}$ b.) $2 \text{ km } 375 \text{ m} = 2375 \text{ m}$

c.) $9 \text{ km } 450 \text{ m} = 9450 \text{ m}$ d.) $78 \text{ km } 044 \text{ m} = 78044 \text{ m}$

e.) $14 \text{ km } 157 \text{ m} = 14157 \text{ m}$ f.) $91 \text{ km } 125 \text{ m} = 91125 \text{ m}$

g) $21 \text{ km } 264 \text{ m} = 21264 \text{ m}$ $49 \text{ km } 075 \text{ m} = 49075 \text{ m}$

4.) a) $1,925 \text{ m} = 1 \text{ km } 925 \text{ m}$

b) $14,725 \text{ m} = 14 \text{ km } 725 \text{ m}$

c) $3,125 \text{ m} = 3 \text{ km } 125 \text{ m}$

d) $25,528 \text{ m} = 25 \text{ km } 528 \text{ m}$

e) $33,409 \text{ m} = 33 \text{ km } 409 \text{ m}$

f) $42,480 \text{ m} = 42 \text{ km } 480 \text{ m}$

g) $6,008 \text{ m} = 6 \text{ km } 008 \text{ m}$

h) $91,025 \text{ m} = 91 \text{ km } 025 \text{ m}$

Exercise-12(c)

1.) $\begin{array}{r} 8\text{ m} \\ +12 \\ \hline 20 \end{array}$ 2.) $\begin{array}{r} 95\text{ cm} \\ +18 \\ \hline 113 \end{array}$ 3.) $\begin{array}{r} 55\text{ cm} \\ +46 \\ \hline 101 \end{array}$

$\begin{array}{r} 15\text{ m} \\ +24 \\ \hline 39 \end{array}$ $\begin{array}{r} 60 \\ +30 \\ \hline 90 \end{array}$ $\begin{array}{r} 24 \\ +18 \\ \hline 42 \end{array}$

4.) $\begin{array}{r} 4 \\ +25.55 \\ \hline 29.55 \end{array}$ 5.) $\begin{array}{r} 18\text{ km} \\ +20 \\ \hline 38 \end{array}$ 6.) $\begin{array}{r} 753\text{ m} \\ +32 \\ \hline 785 \end{array}$

$\begin{array}{r} 91 \\ +2 \\ \hline 93 \end{array}$ $\begin{array}{r} 83 \\ +30 \\ \hline 113 \end{array}$ $\begin{array}{r} 807 \\ +23 \\ \hline 830 \end{array}$

7.) $\begin{array}{r} 25\text{ km} \\ +15 \\ \hline 40 \end{array}$ 8.) $\begin{array}{r} 65\text{ km} \\ +23 \\ \hline 88 \end{array}$

$\begin{array}{r} 487\text{ m} \\ +15 \\ \hline 502 \end{array}$ $\begin{array}{r} 415\text{ m} \\ +23 \\ \hline 438 \end{array}$

$\begin{array}{r} 512 \\ +46 \\ \hline 558 \end{array}$ $\begin{array}{r} 825 \\ +39 \\ \hline 864 \end{array}$

$\begin{array}{r} 320 \\ +87 \\ \hline 407 \end{array}$ $\begin{array}{r} 550 \\ +127 \\ \hline 677 \end{array}$

Exercise 12-c

1) a) $62 \text{ cm} - 48 \text{ cm} = 14 \text{ cm}$
 $17 \text{ cm} - 48 \text{ cm} = -31 \text{ cm}$
 $29 \text{ cm} - 289 \text{ cm} = -260 \text{ cm}$
 $19 \text{ cm} - 118 \text{ cm} = -99 \text{ cm}$
 $48 \text{ cm} - 25 \text{ cm} = 23 \text{ cm}$
 $66 \text{ cm} - 84 \text{ cm} = -18 \text{ cm}$

2) a) $317 \text{ km} - 183 \text{ km} = 134 \text{ km}$
 $24 \text{ km} - 19 \text{ km} = 5 \text{ km}$
 $476 \text{ m} - 358 \text{ m} = 118 \text{ m}$
 $32 \text{ km} - 24 \text{ km} = 8 \text{ km}$
 $075 - 063 = 12$
 $74 - 22 = 52$
 $210 - 324 = -114$
 $51886 - 1886 = 50000$