

16-(B)

1. Express in decimal notation and then add:

a. 2km 6hm 4dam 2m ; 8km 8dam ; 10km 6hm 2dam 8m

$$\begin{array}{r} \text{Ans } 2\text{km } 6\text{hm } 4\text{dam } 2\text{m} = 2,642 \text{ km} \\ 8\text{km } 8\text{dam} = 8,080 \text{ km} \\ 10\text{km } 6\text{hm } 2\text{dam } 8\text{m} = 10,628 \text{ km} \\ \hline 21,350 \text{ km} \end{array}$$

Ans) 21.350 km

b. 6m 7dm 2cm 5mm ; 8m 8dam 6cm 6mm ; 10m 5mm

$$\begin{array}{r} 6\text{m } 7\text{dm } 2\text{cm } 5\text{mm} = 6,725 \text{ m} \\ 8\text{dam } 6\text{cm } 6\text{mm} = 8,866 \text{ m} \\ 10\text{m } 5\text{mm} = 10,005 \text{ m} \\ \hline 25,596 \text{ m} \end{array}$$

Ans) ~~25,596 m~~ 25,596 m

c. ~~6kg~~ 7hm 6kg 7hg 5dag 6g ; 8hg 7g ; 4kg 2hg 2g ; 10 kg

$$\begin{array}{r} 6\text{kg } 7\text{hg } 5\text{dag } 6\text{g} = 6,756 \text{ kg} \\ 8\text{hg } 7\text{g} = 0,807 \text{ kg} \\ 4\text{kg } 2\text{hg } 2\text{g} = 4,202 \text{ kg} \\ 10\text{kg} = 10,000 \text{ kg} \\ \hline 21,765 \text{ kg} \end{array}$$

Ans) 21,765 kg

d) 5l 6dl 7cl 4ml; 8l 9dl 5cl 4ml; 7l 4dl 4cl 6ml

$$= 5.674l$$

$$= 8.854l$$

$$+ 7.446l$$

$$= 21.974l$$

Ans) 21.974l km

e) 10 km 8l; 5km 4hl 6dal 5l; 6hl 2dal 9l

$$10km 8l = 10.008kl$$

$$5km 4hl 6dal 5l = 5.465kl$$

$$6hl 2dal 9l = +0.629kl$$

f) 5g 6dg 8cg 4mg; 15g 7mg; 6dg 5mg; 8g 7cg
2mg

$$5g 6dg 8cg 4mg = 5.684$$

$$15g 7mg = 15.007$$

$$6dg 5mg = 0.605$$

$$8g 7cg = 8.07$$

$$Ans = 29.356$$

2. Express in decimal notation and subtract

a 25 km 625 m from 50 km 50 m

$$50 \text{ km } 50 \text{ m} = 50.050 \text{ km}$$

$$25 \text{ km } 625 \text{ m} = 25.625 \text{ km}$$

$$\begin{array}{r} 49 \quad 4 \\ 50.050 \\ - 25.625 \\ \hline 24.425 \end{array}$$

$$\begin{array}{r} 50.050 \\ - 25.625 \\ \hline 24.425 \end{array}$$

Ans) ~~25.625 km~~ 24.425 km
~~24.375 km~~

b 66 kg 725 g from 92 kg 6hg 8g

$$66 \text{ kg } 725 \text{ g} = 66.725 \text{ kg}$$

$$92 \text{ kg } 6 \text{ hg } 8 \text{ g} = 92.608 \text{ kg}$$

$$\begin{array}{r} 811 \quad 15 \\ 92.608 \\ - 66.725 \\ \hline 25.883 \end{array}$$

Ans 25.883 kg

c 125 kl ~~6~~ 15l from 145 kl 220 l

$$145 \text{ kl } 220 \text{ l} = 145.220 \text{ kl}$$

$$125 \text{ kl } 6 \text{ kl } 15 \text{ l} = 125.615 \text{ kl}$$

$$\begin{array}{r} 314 \quad 1 \\ 145.220 \\ - 125.615 \\ \hline 19.605 \end{array}$$

Ans) 19.605 kl

2. Express in decimal notation and subtract:

d. 58l 6dl 5cl from 74l 2dl 4cl

$$\begin{array}{r}
 \cancel{58.65} \quad 67.42 \text{ l} \\
 - 58.65 \text{ l} \\
 \hline
 15.59 \text{ l}
 \end{array}$$

Ans) 15.59l

e. 110m 75cm from 212m 20cm

$$\begin{array}{r}
 \cancel{212.20} \quad 212.210 \text{ m} \\
 - 110.75 \text{ m} \\
 \hline
 101.45 \text{ m}
 \end{array}$$

Ans) 101.45m

3. Express in decimal notation and multiply:

a. 7km 2hm 7dam 5m by 48

$$\begin{array}{r}
 132 \\
 \underline{264} \\
 7275 \text{ km}
 \end{array}$$

$$\begin{array}{r}
 \times 48 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 158200 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 291000 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 349200 \\
 \hline
 \end{array}$$

Ans) 349,200 kgm

b. 25 kg 620g by 27

$$\begin{array}{r}
 25.620 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \times 27 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 179.340 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 512.400 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 691.740 \\
 \hline
 \end{array}$$

Ans) 691,740 kg

c 6km 4dm 6m by 72

$$\begin{array}{r}
 6.46 \\
 \times 72 \\
 \hline
 1292 \\
 4522 \times \\
 \hline
 46512
 \end{array}$$

Ans) 46 km 512 m

d 38 kg 516 g by 72

$$\begin{array}{r}
 38.516 \\
 \times 72 \\
 \hline
 77032 \\
 269312 \times \\
 \hline
 2770152
 \end{array}$$

Ans) 2,770.152 kg