

Exercise 16 B.

1. Express in decimal notation then add:

8km 8dam

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

= 2.642, 10.628, 8.080

$$\begin{array}{r}
 \textcircled{0} \textcircled{0} \textcircled{0} \text{ Add} \\
 10.628 \\
 + 2.642 \\
 \hline
 8.080 \\
 \hline
 21.350 \text{ m}
 \end{array}$$

Ans = 21.350 km

b. 6m 7dm 2cm 5mm; 8m 8dm 6cm 6mm; 10.5mm

$$\begin{array}{r}
 \textcircled{0} \quad \textcircled{0} \\
 = 6.725 \\
 + 8.866 \\
 \hline
 10.005 \\
 \hline
 25.596
 \end{array}$$

Ans = 25.596m

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

$$\begin{array}{r}
 \textcircled{0} \quad \textcircled{0} \\
 = 6.756 \\
 0.807 \\
 + 4.202 \\
 \hline
 10.000 \\
 \hline
 21.765
 \end{array}$$

Ans = 21.765 Kg

d. 5l 6dl 7cl 4ml; 8l 8dl 5cl 1ml; 7l 4dl 4cl 6ml

$$\begin{array}{r}
 \textcircled{0} \textcircled{0} \textcircled{0} \\
 = 5.674 \\
 + 8.851 \quad \text{Ans} = 21.971 \text{ l} \\
 \hline
 7.446 \\
 \hline
 21.971
 \end{array}$$

e. 10kl 8l; 5kl 4hl 6dal 5l; 6hl 2dal 9l

$$\begin{array}{r}
 \textcircled{0} \textcircled{0} \textcircled{2} \\
 = 10.008 \\
 + 5.465 \quad \text{Ans} = 16.102 \text{ kl} \\
 \hline
 0.629 \\
 \hline
 16.102
 \end{array}$$

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

$$\begin{array}{r}
 \textcircled{0} \textcircled{0} \\
 = 5.684 \\
 + 15.007 \quad \text{Ans} = 28.763 \\
 \hline
 8.073 \\
 \hline
 28.763
 \end{array}$$

2. Express in decimal notation and subtract:

a. 25km 625m from 50km 50m e. 110m 75cm from 212m 20cm

$$= \begin{array}{r} \cancel{25.000} 50.050 \\ - 25.625 \\ \hline 24.425 \end{array}$$

$$= \begin{array}{r} 1 \quad 11 \quad 10 \\ 212.200 \\ - 110.750 \\ \hline 101.450 \end{array}$$

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

$$= \begin{array}{r} \cancel{66.725} \quad \cancel{66.725} \\ 8 \quad 15 \quad 10 \\ 92.608 \\ - 66.725 \\ \hline 25.883 \end{array}$$

c. 125kl 615l from 145kl 220l

$$= \begin{array}{r} \cancel{125.615} \quad 3 \quad 14 \quad 12 \quad 10 \\ 145.220 \\ - 125.615 \\ \hline 019.605 \end{array}$$

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

$$= \begin{array}{r} 6 \quad 13 \quad 11 \quad 14 \\ \cancel{74.240} \\ - 58.650 \\ \hline 15.590 \end{array}$$

3 Express in decimal notation and multiply.

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

② ②④

$$\begin{array}{r}
 = 7.275 \\
 \times 48 \\
 \hline
 + 58.200 \\
 291.000 \\
 \hline
 349.200
 \end{array}$$

d. 38Kg 516g by 32

$$\begin{array}{r}
 = 38.516 \\
 \times 32 \\
 \hline
 + 77.032 \\
 \hline
 1232.512
 \end{array}$$

b. 25Kg 620 by 27

③④①①

$$\begin{array}{r}
 = 25.620 \\
 \times 27 \\
 \hline
 179.340 \\
 + 512.400 \\
 \hline
 691.740
 \end{array}$$

$$\begin{array}{r}
 1155.980 \\
 \hline
 1232.512
 \end{array}$$

c. 6hm 4dam 6m by 72

= 0.646

$$\begin{array}{r}
 \times 72 \\
 \hline
 1.292
 \end{array}$$

Ans-46.5122

$$\begin{array}{r}
 + 45.222 \\
 \hline
 \end{array}$$

~~d. 38Kg 516g by~~
46.512