

11.05.2021

Exercício 5.B

Word Problems

3) Answer] Cost of one mobil phone = R\$. 15,675
 cost of ~~one~~ 215 mobil phone = R\$. 15,675 x 215
 = 33,70,125

$$\begin{array}{r}
 \begin{array}{cccccc}
 & \textcircled{2} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} \\
 & \textcircled{2} & \textcircled{1} & \textcircled{3} & \textcircled{2} & \textcircled{1} \\
 & 1 & 5 & 6 & 7 & 5 \\
 \times & & & 2 & 1 & 5 \\
 \hline
 & \textcircled{0} & \textcircled{7} & \textcircled{8} & \textcircled{1} & \textcircled{3} & \textcircled{0} & \textcircled{7} & \textcircled{5} \\
 + & 1 & 5 & 6 & 7 & 5 & X \\
 \hline
 & 3 & 1 & 3 & 5 & 0 & X & X \\
 \hline
 & 3 & 3 & 7 & 0 & 1 & 2 & 5
 \end{array}
 \end{array}$$

So, total money the shopkeeper has collected
 R\$. 33,70,125

Answer length of the playground = 1,325m
width of the playground = 275m
Area of the playground = length \times width
 $= 1,325m \times 275m$
 $= 3,64,375 \text{ sq. m.}$

$$\begin{array}{r} 1325 \\ \times 275 \\ \hline 6625 \\ 92750 \\ + 265000 \\ \hline 364375 \end{array}$$

\therefore the area of the playground is 3,64,375 sq.m.

Answer Capacity of one water tank = 15,680 l
Quantity of water in 125 such tanks = 15,680 \times 125
 $= 19,60,000$

$$\begin{array}{r} 15680 \\ \times 125 \\ \hline 78400 \\ + 313600 \\ + 1568000 \\ \hline 1960000 \end{array}$$

\therefore the quantity of water in 125 tanks is 19,60,000 l.

6) Each student pays = Rs. 850
 Number of students in school = 3,127
 Total money collected = Rs. 850 × 3,127
 = Rs. 26,57,950

$$\begin{array}{r}
 3127 \\
 \times 850 \\
 \hline
 0000 \\
 + 156350 \\
 + 2501600 \\
 \hline
 2657950
 \end{array}$$

So, the money collected for the school examination is 26,57,950

7) Total employees in the firm = 2,37,118
 Bonus for per employee = ₹ 750
 Total money spent = Rs. 750 × 2,37,118
 = Rs. 17,78,38,500

$$\begin{array}{r}
 237118 \\
 \times 750 \\
 \hline
 0000000 \\
 + 11855900 \\
 + 165982600 \\
 \hline
 177838500
 \end{array}$$

So, ₹ 17,78,38,500 is spent by the company.