



1. 239 bags of cement can be loaded in a wagon. How many wagons are required to load 8365 bags?

Solution 1:-

No. of cement bags = 8365

In one wagon no. of cement bags loaded = 239

So, no. of wagons required to load 8365 bags = $8365 \div 239$

	<u>Rough</u>
$\begin{array}{r} 35 \\ 239 \overline{) 8365} \\ \underline{-717} \\ 1195 \\ \underline{-1195} \\ 0000 \end{array}$	$\begin{array}{l} 239 \times 1 = 239 \\ 239 \times 2 = 478 \\ 239 \times 3 = 717 \\ 239 \times 4 = 956 \\ 239 \times 5 = 1195 \end{array}$

\therefore 35 wagons are required to load 8365 bags.

3. 765564 books are to be arranged equally in shelves. If 487 books are arranged in each shelf, how many shelves will be needed?

Solution 3:-

Total no. of books to be arranged in shelves = 765564

No. of books arranged in one shelf = 487

So, no. of shelves needed to arrange books = $765564 \div 487$

$\begin{array}{r} 1572 \\ 487 \overline{) 765564} \\ \underline{-487} \\ 2785 \\ \underline{-2435} \\ 03506 \\ \underline{-3409} \\ 00974 \\ \underline{-974} \\ 000 \end{array}$	$\begin{array}{l} 487 \times 1 = 487 \\ 487 \times 2 = 974 \\ 487 \times 3 = 1461 \\ 487 \times 4 = 1948 \\ 487 \times 5 = 2435 \\ 487 \times 6 = 2922 \\ 487 \times 7 = 3409 \\ 487 \times 8 = 3896 \\ 487 \times 9 = 4383 \end{array}$
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\therefore 1,572 shelves are needed to arrange 7,65,564 books.



4. The total cost of air tickets of 52 people from Delhi to Kerala is nine lakh twenty-six thousand six hundred forty rupees. What will be the cost of an air ticket for 1 person?

Solution 4:- This question is homework.

5. An engine pumps out 875 litres of water per minute. How much time will it take to pump out 1312500 litres of water?

Solution 5:-

Water pumped out by an engine per minute = 875

Time taken to pump out 13,12,500 L of water = $1312500 \div 875$

$ \begin{array}{r} 1500 \\ 875 \overline{) 1312500} \\ \underline{- 875} \\ 4375 \\ \underline{- 4375} \\ 0000 \\ \underline{- 0} \\ 00 \\ \underline{- 00} \\ 00 \end{array} $	$ \begin{array}{l} 875 \times 1 = 875 \\ 875 \times 2 = 1750 \\ 875 \times 3 = 2625 \\ 875 \times 4 = 3500 \\ 875 \times 5 = 4375 \end{array} $
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\therefore 1500 minutes is taken out to pump 13,12,500 L of water.

6. In a division sum, the divisor is 63, the quotient is 857 and remainder is 27. What is the dividend?

Solution 6:-

<p>Divisor = 63</p> <p>Quotient = 857</p> <p>Remainder = 27</p>	$ \begin{array}{r} \textcircled{3} \textcircled{4} \\ 857 \\ \times 63 \\ \hline 2571 \\ 5142 \\ \hline 53991 \end{array} $
<p>Dividend = Divisor \times Quotient + Remainder</p> <p>= $63 \times 857 + 27$</p> <p>= $53991 + 27$</p> <p>= 54018</p>	$ \begin{array}{r} \textcircled{1} \textcircled{1} \\ 53991 \\ + 27 \\ \hline 54018 \end{array} $

**Q7, Q8, Q9 and Q10 are omitted
&
Self Practice- 5E is omitted (it will not come in the exam)**