

Ways to Multiply & Divide

1) 352 children from a school went on a campaign trip. Each tent had a group of 4 children.

a) How many children did each tent have?

b) How many tents do they need?

c) How many children in all are in the school?

⇒ a) 4 children

b) No. of tents =
$$\begin{array}{r} 4 \overline{) 352} \quad (88 \\ \underline{32} \\ 32 \\ \underline{32} \\ 0 \\ \times \end{array}$$

c) 352 children.

2) A shopkeeper has 204 eggs. He puts them in egg trays. Each tray has 12 eggs.

~~a) How many more eggs will he need?~~

a) How many egg trays does he need?

⇒ No. of egg trays = $\frac{204}{12} = 17$

$$\begin{array}{r} 12 \overline{) 204} \quad (17 \\ \underline{12} \\ 84 \\ \underline{84} \\ 0 \end{array}$$

Q) Shymali brought a battery. She read on it 'Life: 2000 hrs'. She uses it through out the day and the night. How many days will the battery run?

⇒ Life of battery = 2000 hrs.
1 day = 24 hrs.

∴ Battery will run for

$$\begin{array}{r} 24 \overline{) 2000} \quad (83 \\ \underline{-192} \\ 80 \\ \underline{-72} \\ 8 \end{array}$$

Quotient = 83, Remainder = 8

∴ Battery can run for 83 days

Homework

- 1) A chair cost £ 452 and a table costs £ 1750. What will be the cost of 15 chairs & 30 tables?
(Bela's Method)
- 2) Mark baked 195 cookies & divided them equally into 13 packets. How many cookies did Mark put in ~~each~~ each packet?
- 3) Multiply using Bela's Method :-
 123×62
- 4) Divide :- $1025 \div 62$ and verify.
- 5) In your classes you counted 120 hands. How many students were at the class?
- 6) Write down all factors of 50 using factor tree method.