7 Mr Govind packs eggs in
crates. If there are 30 eggs
packed in each crate, find
how many crates can be
packed for 1500 eggs.

Ans → Total number of eggs

$$= 1500.$$

Number of eggs packed
in a crate = 30.

Number of crates packed

$$= \frac{\text{Total number of eggs}}{\text{Number of eggs in a crate}}$$

$$= \frac{1500}{30} = 50 \text{ crates}.$$

$$30)\overline{1500}(50$$
$$\underline{150}$$
$$\times$$

Number of crates that
can be packed = 50.

Division trick of 16.

$$144 \div 16 = 9$$
72
36
18
$$\boxed{9}$$

$$\begin{array}{r} 5 \\ 16 \\ \times 9 \\ \hline 144 \end{array}$$

$$112 \div 16 = 7$$
56
28
14
$$\boxed{7}$$

$$\begin{array}{r} 4 \\ 16 \\ \times 7 \\ \hline 112 \end{array}$$

Trick of
Multiplication of
any two digit numbers

$$\begin{array}{r} 1 \\ 14 \\ \times 13 \\ \hline 42 \\ 14 \times \\ \hline 182 \end{array} = 255$$

$$\begin{array}{r} 3. \\ 17 \\ \times 15 \\ \hline 85 \\ 17 \times \\ \hline 255 \end{array}$$

$$17 + \frac{1}{=18}$$

$\boxed{17} \times \boxed{15}$

$\boxed{3}\boxed{5}$

$17 + 5 = 22$
$ + 3$
$\overline{25}$

$\boxed{14} \times \boxed{13}$

$= 18\ 2$

$\boxed{1}\boxed{2}$

$14 + 3 = 17$

4) Sunita saves ₹ 25 everyday. How much would she save in a year (considering it to be leap year)?

Soln: Amount of money saved in a day = ₹ 25.

Number of days in a leap year = 366 days.

Amount of money saved in a leap year.

$$
\begin{array}{r}
366\ ^3\ _3 \\
\times\ 25 \\
\hline
1830 \\
732\ \times \\
\hline
9150
\end{array}
= ₹ 9,150.
$$

Ans→ Amount of money saved in a leap year = ₹ 9,150

TICK - TICK - TICK.

3)

Mr. Raju, a daily wage labourer, works from 7:30 A.M. till 5 P.M. in the evening. In the mean time, he takes a break of 45 minutes for taking his breakfast, lunch & for other necessities. Find how long does he actually work.

Soln:

Duration of time between 5 7:30 A.M. & 5 P.M.

= 17:00 hrs − 7:30 hrs.

= 9:30 hrs

= 9 hr 30 mins.

5 P.M.

= (5+12) hrs

= 17 hrs.

$$
\begin{array}{r}
17:00\ \text{hrs} \\
\ominus\ 7:30\ \text{hrs} \\
\hline
09:30\ \text{hrs}
\end{array}
$$

Total time at workplace = 9:30 hrs.
Time used in breaks = 0:45 hrs.
          (45 mins)   (-)
_____
Actual working time = 8:45 hrs.
                    = 8hr 45 mins.

Ans→ He actually works for 8hr 45 mins.

Play with patterns.

4) CODE THE WORD USING NUMBERS.

W	E	D	N	E	S	D	A	Y
23	5	4	14	5	19	4	1	25

5) Complete the following patterns —

a) $25 \xrightarrow{+15} 40 \xrightarrow{+15} 55, \xrightarrow{+15} \underline{70}, \xrightarrow{+15} \underline{85}, \xrightarrow{+15} \underline{100}$.

b) $261 \xrightarrow{-29} 232 \xrightarrow{-29} 203 \xrightarrow{-29} \underline{174}, \xrightarrow{-29} \underline{145}, \xrightarrow{-29} \underline{116}$.

6) DECODE THE NUMBERS TO MEANINGFUL WORD.

a)

19	3	8	15	15	12
S	C	H	O	O	L

b)

2	15	15	11
B	O	O	K