TABLES & SHARES - DIVISION

1) Divide

a) $330 \div 15$

$$15)\overline{330}(22$$
$$\underline{30}\downarrow$$
$$30$$
$$\underline{30}$$
$$X$$

$15 \times 1 = 15$
$15 \times 2 = 30$
$15 \times 3 = 45$
$15 \times 4 = 60$
$15 \times 5 = 75$

b) $40 \div 8$

$$8)\overline{40}(5$$
$$\underline{40}$$
$$X$$

TRICK FOR MULTIPLICATION OF 29.

$29 \times 1 = 29$
$29 \times 2 = 58$
$29 \times 3 = 87$
$29 \times 4 = 116$
$29 \times 5 = 145$
$29 \times 6 = 174$
$29 \times 7 = 203$
$29 \times 8 = 232$
$29 \times 9 = 261$
$29 \times 10 = 290$

2) Seema has 60 chocolates. She decided to divide it equally among her five friends. Find how many chocolates would each of her friends get.

Soln. Total number of chocolates she has = 60.

Number of friends = 5.

Number of chocolates each of her friend would get = $\dfrac{\text{Total number of chocolates}}{\text{Number of friends}}$

$$5)\overline{60}(12$$
$$\underline{5}$$
$$10$$
$$\underline{10}$$
$$X$$

$$= \frac{60}{5}$$
$$= 12$$

$$\begin{array}{r} 6 \\ 29 \\ \times 7 \\ \hline 203 \end{array}$$

$$\begin{array}{r} 4 \\ 29 \\ \times 5 \\ \hline 145 \end{array}$$

Ans → Total number of chocolates each of her friend would get = 12.

37. Cost of a pack of pen with 10 pens is ₹50. Find the cost of 1 such pen.

soln:

Cost of 10 such pens = ₹50.

Cost of 1 such pen = $\frac{50}{10}$.

$$10) \overline{\smash{50}}(5$$
$$\underline{50}$$
$$\times$$

= ₹5.

ans: Cost of 1 such pen is ₹5.

Facts about division.

4 important things in division.

- Dividend → 75
- Divisor → 4
- Quotient → 18
- Remainder → 3

7) $75 \div 4$

$$4) \overline{\smash{75}}(18$$
$$\underline{4}\downarrow$$
$$35$$
$$\underline{32}$$
$$3$$

$$\begin{array}{r} 13 \\ 5) \overline{67.}(\\ \underline{5}\downarrow \\ 17 \\ \underline{15} \\ 2 \end{array}$$

Division trick by 25

$$825 \div 25 = 33$$

$$\begin{array}{r} 825 \\ (+)825 \\ \hline 1650 \checkmark \\ (+)1650 \\ \hline \boxed{33}\ 00 \end{array}$$

$$\begin{array}{r} 25) \overline{825}(33 \\ \underline{75}\downarrow \\ 75 \\ \underline{75} \\ \times \end{array}$$

Division means Repeated subtraction.

$12 \div 3$

$$\begin{array}{r} 12 \\ (-)\ 3 \checkmark \\ \hline 9 \\ (-)\ 3 \checkmark \\ \hline 6 \\ (-)\ 3 \checkmark \\ \hline 3 \\ (-)\ 3 \checkmark \\ \hline 0 \end{array}$$

= 4.

$30 \div 5$

= 6

$$\begin{array}{r} 30 \\ (-)\ 5 \checkmark \\ \hline 25 \\ (-)\ 5 \checkmark \\ \hline 20 \\ (-)\ 5 \checkmark \\ \hline 15 \\ (-)\ 5 \checkmark \\ \hline 10 \\ (-)\ 5 \checkmark \\ \hline 5 \\ (-)\ 5 \checkmark \\ \hline 0 \end{array}$$

$$5) \overline{30}(6$$
$$\underline{30}$$
$$\times$$