

## ASSIGNMENT 11

1) Find the quotient and the remainder :-

a)  $32,796 \div 14$

$$14 \overline{) 32796} \quad (2342$$

28

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047

42

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059

56

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036

28

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08

Quotient = 2342

Remainder = 8

b)  $7,25,816 \div 24$

c)  $3,16,549 \div 156$

**2) Divide and check your answer :-**

a)  $25,615 \div 15$

$$15 \overline{) 25615} \quad (1707$$

$$15$$

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$$106$$

$$105$$

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$$00115$$

$$105$$

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$$10$$

**Quotient = 1707**

**Remainder = 10**

**Check :-**

**Dividend = Divisor x Quotient + Remainder**

$$\begin{array}{r} 1707 \text{ ----- Quotient} \\ \times 15 \text{ ----- Divisor} \\ \hline 8535 \\ 17070 \\ \hline 25605 \\ + 10 \text{ ----- Remainder} \\ \hline 25615 \text{ ----- Dividend} \end{array}$$

**b) 325174 ÷ 53**

$$c) 2472176 \div 32$$

3) The cost of 150 smart phones of the same brand is ₹ 12,81,450 . Find the cost of each smart phone .

The cost of 150 smart phones

$$= ₹ 12,81,450$$

Therefore, the cost of one smartphone

$$= ₹ 12,81,450 \div 150$$

$$= ₹ 8,543$$

$$\begin{array}{r} 150 \overline{) 1281450} \quad (8543 \\ \underline{1200} \phantom{00} \\ 00814 \phantom{0} \\ \underline{750} \phantom{0} \\ 0645 \phantom{0} \\ \underline{600} \phantom{0} \\ 0000 \phantom{0} \end{array}$$

$$\begin{array}{r}
 0450 \\
 450 \\
 \hline
 000
 \end{array}$$

- 3) A shopkeeper bought 90 bicycles for ₹4,99,500 . How much did he pay for each bicycle?
- 4) In 70 hours an aeroplane covers 64,820 km . How much distance will it cover in 1 hour ?

**5) Simplify using the BODMAS rule :-**

a)  $40 - \{ (25 \div 5) \text{ of } 4 \} + 10$

b)  $\{ 20 + ( 10 \times 3 - 15 ) \} + 6 \text{ of } 3$