

STD-IV

Exercise - 4.3

classmate

Date _____

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B. Divide to find the quotient and the remainder, if any.

1. $92 \div 14$

$$\begin{array}{r} 14 \overline{) 92} \\ \underline{84} \\ 8 \end{array}$$

so quotient = 6 and remainder = 8

Ans. The required quotient and remainder will be 6 and 8 respectively.

2. $89 \div 42$

$$\begin{array}{r} 42 \overline{) 89} \\ \underline{84} \\ 5 \end{array}$$

so quotient = 2 and remainder = 5

Ans. The required quotient and remainder will be 2 and 5 respectively.

① Similarly complete all the numbers of B.

C. Divide to find the quotient and remainder, if any.

1. $104 \div 21$

$$\begin{array}{r} 21 \overline{) 104} \\ \underline{84} \\ 20 \end{array}$$

so quotient = 4 and remainder = 20

Ans. The required quotient and remainder will be 4 and 20 respectively.

2. $345 \div 42$

$$\begin{array}{r|l} 345 & 8 \\ 42 \overline{) 336} & \\ \hline & 9 \end{array}$$

So Quotient = 8 and Remainder = 9

Ans. The required quotient and remainder will be 8 and 9 respectively.

3. $169 \div 7$

$$\begin{array}{r|l} 169 & 24 \\ 7 \overline{) 14} & \downarrow \\ \hline & 29 \\ & -28 \\ \hline & 1 \end{array}$$

So, Quotient = 24 and remainder = 1

Ans. The required quotient and remainder will be 24 and 1 respectively.

⊙ Similarly complete all the numbers of C

2. Divide and check your answer.

1. $82 \div 17$

$$\begin{array}{r|l} 82 & 4 \\ 17 \overline{) 68} & \\ \hline & 14 \end{array}$$

So Quotient = 4 and remainder = 14

To check the division

Quotient \times divisor + Remainder = Dividend.

$$= 4 \times 17 + 14$$

$$= 68 + 14$$

$$= 82 = \text{Dividend.}$$

Ans. The required division is checked with quotient 4 and remainder 14.

(2)

$$93 \div 16$$

$$\begin{array}{r|l} 16 & 93 \\ \hline & -80 \\ \hline & 13 \end{array} \Bigg| 5$$

So, the quotient = 5 and remainder = 13

To check the division

$$\begin{aligned} & \text{Quotient} \times \text{Divisor} + \text{Remainder} = \text{Dividend} \\ & = 5 \times 16 + 13 \\ & = 80 + 13 \\ & = 93 = \text{Dividend} \end{aligned}$$

Ans. The division is checked with quotient 5 and remainder 13

12.

$$625 \div 23$$

$$\begin{array}{r|l} 23 & 625 \\ \hline & -460 \\ \hline & 165 \\ & -161 \\ \hline & 4 \end{array} \Bigg| 27$$

So, quotient = 27 and remainder = 4

To check the division

$$\begin{aligned} & \text{Quotient} \times \text{Divisor} + \text{Remainder} = \text{Dividend} \\ & = 27 \times 23 + 4 \\ & = 621 + 4 \\ & = 625 = \text{Dividend} \end{aligned}$$

Ans. The division is checked with quotient 27 and remainder 4.

(*) Similarly do yourself all the numbers of 2.