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Tender Heart High School, Sec - 33B, Chandigarh

Class : IV

Date : 08.07.24

Subject : Mathematics

Teacher : Ms. Sushma

Exercise 4.4

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

1. $92 \div 14$

$$\begin{array}{r} 6 \\ 14 \overline{) 92} \\ - 84 \\ \hline 08 \end{array}$$

Quotient = 06

Remainder = 08

2. $93 \div 31$

$$\begin{array}{r} 3 \\ 31 \overline{) 93} \\ - 93 \\ \hline 0 \end{array}$$

Quotient = 03

Remainder = 0

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

1. $104 \div 21$

$$\begin{array}{r} 4 \\ 21 \overline{) 104} \\ - 84 \\ \hline 20 \end{array}$$

Quotient = 4

Remainder = 20

2. $304 \div 62$

$$\begin{array}{r} 4 \\ 62 \overline{) 304} \\ - 248 \\ \hline 56 \end{array}$$

Quotient - 04
Remainder - 56

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

1. $3537 \div 27$

$$\begin{array}{r} 131 \\ 27 \overline{) 3537} \\ - 27 \downarrow \\ \hline 83 \\ - 81 \downarrow \\ \hline 27 \\ - 27 \\ \hline 0 \end{array}$$

Quotient - 131
Remainder - 0

2. $4424 \div 28$

$$\begin{array}{r} 158 \\ 28 \overline{) 4424} \\ - 28 \downarrow \\ \hline 162 \\ - 140 \\ \hline 224 \\ - 224 \\ \hline 0 \end{array}$$

Quotient - 158
Remainder - 0

D. Divide and check your answer.

1. $82 \div 17$

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

$$\begin{aligned} \text{Check} &= 4 \times 17 + 14 \\ &= 68 + 14 \\ &= 82 = \text{Divident} \end{aligned}$$

Ans:- $Q = 4$, Remainder = 14

2. $3269 \div 19$

$$\begin{array}{r} 172 \\ 19 \overline{) 3269} \\ - 19 \downarrow \\ \hline 136 \\ - 133 \downarrow \\ \hline 39 \\ - 38 \\ \hline 01 \end{array}$$

Check:-

$$\begin{aligned} &= 172 \times 19 + 1 \\ &= 3268 + 1 \\ &= 3269 = \text{Divident} \end{aligned}$$

Ans:- $Q = 172$, Remainder = 1

Exercise 4.5

A. Solve these story sums.

- 156 students formed teams to participate in a quiz competition. 6 students formed a team. How many teams were there?

Soln:→ Total number of students = 156

No. of students in a team = 6

No. of teams = $156 \div 6$
= 26

So, There were 26 teams.

$$\begin{array}{r} 26 \\ 6 \overline{) 156} \\ - 12 \downarrow \\ \hline 36 \\ - 36 \\ \hline 0 \end{array}$$

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2. Sara needs 315 lamps to decorate her home. There are 5 lamps in a box. How many such boxes does Sara need to buy?

Soln:-

No. of lamps required = 315

No. of lamps in 1 box = 5

No. of boxes required to buy = $315 \div 5 = 63$

$$\begin{array}{r} 63 \\ 5 \overline{) 315} \\ \underline{-30} \\ 15 \\ \underline{-15} \\ 0 \end{array}$$

So, 63 boxes are required to buy.

3. 819 people decide to take the HOHO bus in Delhi. 21 people can sit comfortably in a bus. How many buses are needed?

Soln:-

Total no. of people = 819

No. of people can sit in a bus = 21

No. of buses needed = $819 \div 21$

$$\begin{array}{r} 39 \\ 21 \overline{) 819} \\ \underline{-63} \\ 189 \\ \underline{-189} \\ 0 \end{array} = 39$$

So, 39 buses are needed.

4. A bookseller puts 639 sharpeners equally in 13 boxes. How many sharpeners does he put in each box? How many are left?

Soln:-

No. of sharpeners = 639

No. of boxes = 13

No. of sharpeners in each box = $639 \div 13$
49 = 49

$$\begin{array}{r} 13 \overline{) 639} \\ - 52 \downarrow \\ \hline 119 \\ - 117 \\ \hline 2 \end{array}$$

Ans $\rightarrow$ So, There are 49 sharpeners in each box.

02 sharpeners are left.

5. 6171 books are packed equally in 33 packets. How many books are there in each packet?

Soln:-

No. of books = 6171

No. of packets = 33

No. of books in each packet = $6171 \div 33$

$$\begin{array}{r} 187 \\ 33 \overline{) 6171} \\ - 33 \downarrow \\ \hline 287 \\ - 264 \downarrow \\ \hline 231 \\ - 231 \\ \hline 0 \end{array}$$

So, There are 187 books in each packet.

6. Mr. Sharma bought 25 copies of a storybook for his school library and paid ₹3125. What is the cost of each copy?

Soln:- Total amount paid = ₹3125

No. of copies of a storybook bought = 25

Cost of each copy = $3125 \div 25$

$$\begin{array}{r} 125 \\ 25 \overline{) 3125} \\ \underline{- 25} \\ 62 \\ \underline{- 50} \\ 125 \\ \underline{- 125} \\ 0 \end{array}$$

∴ The cost of each copy is ₹125

7. Priya purchased 6 boxes of pencils. There were 612 pencils in each box. She repacked the pencils into 9 boxes equally. How many pencils did she pack into each box?

Soln:- No. of boxes purchased = 6

No. of pencils in each box = 612 pencils

No. of pencils in 6 boxes = 612×6
= 3672 pencils.

Now,

She repacked the pencils into 9 boxes.

No. of pencils in each box = $3672 \div 9$

= 408

$$\begin{array}{r} 408 \\ 9 \overline{) 3672} \\ \underline{- 36} \\ 072 \\ \underline{- 72} \\ 0 \end{array}$$

So, There are 408 pencils in each box.