

Q. B. Solve the problems.

1. From a wire of 347 metres, if 18 small pieces of equal length are cut, you are left with a piece which is smaller than each of these 18 pieces. Find the length of each of these pieces and also of the last remaining piece of wire.

Total length of 18 pieces of wire = 347 metres.

The length of 1 piece of wire = $347 \text{ m} \div 18$

$$= 19 \text{ m}$$

The length of the last remaining piece = 5 m

Ans: 19 m; 5 m.

$$\begin{array}{r} 19 \\ 18 \overline{) 347} \\ \underline{18} \\ 167 \\ \underline{162} \\ \text{rem} \rightarrow 5 \end{array}$$

2. There are 371 oranges. I put them into baskets each of which can hold only 20 oranges. How many baskets can I fill and how many oranges will be left over?

Total no of oranges = 371

No of oranges 1 basket can hold = 20

No of baskets can be filled = $371 \div 20$
with 371 oranges = 18

No of oranges left = 11

Ans: 18 baskets; 11 oranges

$$\begin{array}{r} 18 \\ 20 \overline{) 371} \\ \underline{20} \\ 171 \\ \underline{160} \\ 11 \end{array}$$

3. I have Rs 1623. I buy school bags which cost Rs 136 each, how many bags can I buy and how much money will I be left with?

Amount I have = Rs 1623

No. of bags I can buy for Rs 136 = 1

No of bags I can buy for Rs 1623 = $\text{Rs } 1623 \div \text{Rs } 136$
= 11

$$\begin{array}{r} 11 \\ 136 \overline{) 1623} \\ \underline{136} \\ 263 \\ \underline{272} \\ 136 \\ \underline{136} \\ 0 \end{array}$$

Amount left = Rs 127

Ans: - 11 bags; Rs 127

$$\begin{array}{r} 136 \\ \times 2 \\ \hline 272 \end{array}$$

4. A boy has 278 marbles. He puts them into boxes each of which can hold only 28 marbles. How many boxes will he need and how many marbles will be left over?

Total no of marbles = 278

No of boxes needed to keep 28 marbles = 1

No of boxes needed to keep 278 marbles = $278 \div 28$
= 9

No of marbles left = 26

Ans: 9 boxes; 26 marbles.

$$\begin{array}{r} 9 \\ 28 \overline{) 278} \\ \underline{252} \\ 26 \end{array}$$

5. A person has Rs 7285. He buys pens at Rs 27 each. How many pens can he buy and how much money will be left with him?

Amount a person has = Rs 7285

No of pens bought for Rs 27 = 1

No of pens bought for Rs 7285 = $Rs\ 7285 \div Rs\ 27$
= 269

Amount left = Rs 22

Ans: - 269 pens; Rs 22

$$\begin{array}{r} 269 \\ 27 \overline{) 7285} \\ \underline{54} \\ 188 \\ \underline{162} \\ 265 \\ \underline{243} \\ 22 \end{array}$$

$$\begin{array}{r} 27 \\ \times 9 \\ \hline 243 \end{array}$$