

Chapter 7: Division

Auditory Activity

1. Total number of toffees = 45

Number of girls = 5

The number of toffees each girl will get = $45 \div 5 = 9$

Each girl will get 9 toffees.

$$\begin{array}{r} 9 \\ 5 \overline{) 45} \\ \underline{- 45} \\ 00 \end{array}$$

2. Total number of carrots = 36

Number of baskets = 6

The number of carrots in each basket = $36 \div 6 = 6$

The vegetable seller put 6 carrots in each basket.

$$\begin{array}{r} 6 \\ 6 \overline{) 36} \\ \underline{- 36} \\ 00 \end{array}$$

Word Problems

13. a. Number of photos Maria pastes on one page = 8

Total number of photos = 96

Number of pages needed = $96 \div 8 = 12$

Maria can paste 96 photos on 12 pages.

$$\begin{array}{r} 12 \\ 8 \overline{) 96} \\ \underline{- 8} \downarrow \\ 16 \\ \underline{- 16} \\ 00 \end{array}$$

- b. Total number of seeds Mohit sows = 54

Number of rows = 3

The number of seeds in each row = $54 \div 3 = 18$

Mohit sowed 18 seeds in each row.

$$\begin{array}{r} 18 \\ 3 \overline{) 54} \\ \underline{- 3} \downarrow \\ 24 \\ \underline{- 24} \\ 00 \end{array}$$

- c. Total money collected = ₹567

Number of children = 7

Money collected by each child = $₹567 \div 7 = ₹81$

Each child collected ₹81.

$$\begin{array}{r} 81 \\ 7 \overline{) 567} \\ \underline{- 56} \downarrow \\ 007 \\ \underline{- 7} \\ 0 \end{array}$$

Learning better

- H. 1. Total number of mangoes = 35

Number of children = 7

The number of mangoes each child will get = $35 \div 7 = 5$

Each child will get 5 mangoes.

$$\begin{array}{r} 5 \\ 7 \overline{) 35} \\ \underline{- 35} \\ 00 \end{array}$$

2. Total number of beads = 576
 Number of beads used in one necklace = 8
 Number of necklaces = $576 \div 8 = 72$
 They can make 72 necklaces.

$$\begin{array}{r} 72 \\ 8 \overline{) 576} \\ \underline{- 56} \\ 016 \\ \underline{- 16} \\ 00 \end{array}$$

3. Total number of stickers = 306
 Number of children = 9
 Number of stickers each child will get = $306 \div 9 = 34$
 Each child will get 34 stickers.

$$\begin{array}{r} 34 \\ 9 \overline{) 306} \\ \underline{- 27} \\ 36 \\ \underline{- 36} \\ 00 \end{array}$$

4. Total number of packets of straws = 1968
 Number of different colours = 6
 Number of packets of each colour = $1968 \div 6 = 328$
 There are 328 packets of each colour.

$$\begin{array}{r} 328 \\ 9 \overline{) 1968} \\ \underline{- 18} \\ 016 \\ \underline{- 12} \\ 48 \\ \underline{- 48} \\ 00 \end{array}$$

Thinking better

1. Number of children at the orphanage = 48
 Each child should get 2 bananas
 Total number of bananas needed = $48 \times 2 = 96$ bananas
 Since 1 dozen = 12 bananas,
 Number of dozens of banana = $96 \div 12 = 8$
 Aditya should buy 8 dozens of bananas so that each child gets 2 bananas.
2. Grapes multiplied by 6 gives 60.
 So, the value of grapes is $60 \div 6 = 10$.
 Strawberry divided by grapes gives 3.
 The value of grapes is 10.
 So, strawberry $\div 10 = 3$
 That means, the value of strawberry is $3 \times 10 = 30$.
 Cherry + (strawberry \div grapes) is equal to 43.
 Strawberry is 30 and grapes is 10.
 So, $30 \div 10 = 3$
 Now, Cherry + 3 = 43
 The value of cherry is $43 - 3 = 40$.
 The value of cherry is 40.
 The value of strawberry is 30.
 The value of grapes is 10.