



MONTH : SEPTEMBER

SESSION : 7

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 9

CHAPTER NAME : FRACTION

SUB-TOPIC : WORD PROBLEMS OF FRACTIONS

EXERCISE 9 D NO. 7 to 9

CHANGING YOUR TOMORROW

Website: www.odmegroup.org

Email: info@odmps.org

Toll Free: 1800 120 2316

Sishu Vihar, Infocity Road, Patia, Bhubaneswar- 751024

LEARNING OBJECTIVE :

Enable the students

- To write statements of story sums of fraction.
- To find the fractional values of different operations.
- To reduce to their lowest term

DID YOU KNOW?

2,520
is the smallest
number that
can be exactly
divided by all
the numbers
1 to 10.



From 0 to 1000, the
only number that has
the letter "a" in it is
"one thousand"!

1000

Maths Magic: Just try it.
"259 x your Age x 39 = ?"
You will get an interesting result.

EXERCISE 9 D



7. Find the distance covered by a bus in $4 \frac{1}{2}$ hours if the speed of the bus is $30 \frac{6}{7}$ km per hour.



Solution

Distance covered in an hour = $30 \frac{6}{7}$ km.

$$\begin{aligned} \text{Distance covered in } 4 \frac{1}{2} \text{ hours} &= 30 \frac{6}{7} \times 4 \frac{1}{2} \\ &= \frac{108}{7} \times \frac{9}{2} \\ &= \frac{972}{7} = 138 \frac{6}{7} \end{aligned}$$

▪ ▪ Total distance covered in $\frac{1}{2}$ hrs is $138 \frac{6}{7}$ km.



EXERCISE 9 D

8. A man won ₹ 21,00,000 in a game show. For $\frac{3}{7}$ th of the prize

money, he bought a house , for $\frac{3}{14}$ th of the money he bought a car

and the remaining money he deposited in the bank. How much money did he deposit in the bank?

Solution

Amount won by the man = ₹ 21,00,000

Amount spent to buy a house = ~~21,00,000~~ $\times \frac{3}{7}$ = ₹ 9, 00,000

Amount spent to buy a car = ~~21,00,000~~ $\times \frac{3}{14}$ = ₹ 4, 50 000

Total amount spent = 9, 00,000 + 4, 50, 000 = ₹ 13,50,000



EXERCISE 9 D

Amount deposited in the bank = 21,00,000 – 13,50,000 = ₹ 7,50,000

∴ He deposited ₹ 7,50,000 in the bank.



EXERCISE 9 D

9. If $54 \frac{1}{2}$ kg rice is distributed

among 66 poor people. Find how
much rice each one gets.

SOLUTION:

No. of people = 66

Total quantity of rice = $54 \frac{1}{2}$ kg.

$$\begin{aligned}\text{Each person gets} &= 54 \frac{1}{2} \div 66 = \frac{109}{2} \div \frac{66}{1} \\ &= \frac{109}{2} \times \frac{1}{66} = \frac{109}{132} \text{ kg}\end{aligned}$$

\therefore Each person gets $\frac{109}{132}$ kg of rice.





Learning Outcomes

Students are able to write the statements of story sums of fraction and identify the operations to be followed to find the answers.

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