



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.

Distance covered in $4\frac{1}{2}$ hours = $30\frac{6}{7} \times 4\frac{1}{2}$

$$= \frac{108 \cancel{216}}{7} \times \frac{9 \cancel{2}}{2}$$

$$= \frac{972}{7} = 138\frac{6}{7}$$

- Total distance covered in $4\frac{1}{2}$ 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 = $\frac{3,00,000}{21,00,000} \times \frac{3}{7} = ₹ 9,00,000$

Amount spent to buy a car = $\frac{1,50,000}{21,00,000} \times \frac{3}{14} = ₹ 4,50,000$

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.



The logo for 'Learning Outcomes' features the word 'Learning' in a bold, black, sans-serif font with a yellow outline and a drop shadow. Above the letter 'i' in 'Learning' is a small red apple with a green leaf. To the left of the word 'Outcomes' is a blue graduation cap with a tassel. The word 'Outcomes' is in the same bold, black, sans-serif font with a yellow outline and a drop shadow as 'Learning'.

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.

THANKING YOU
ODM EDUCATIONAL GROUP