



CAMBRIDGE

INTERNATIONAL SCHOOL

Summer Assignment – Class 6th

Subject: Mathematics

Chapter: Fractions and Decimals

Instructions:

- Answer all questions.
- Show your calculations wherever necessary.
- Explain your reasoning clearly.

Q1. Pizza Party (Fractions)

Three friends ordered a pizza. Ali ate $\frac{1}{4}$ of it, Sara ate $\frac{3}{8}$, and the remaining pizza was left for Ahmed.

Answer the following:

- a) What fraction of the pizza was left for Ahmed?
- b) Who ate the most pizza? Explain your answer.

Q2. A water bottle contains 2.5 litres of water. During the day, 0.75 litres were used in the morning and 0.65 litres in the evening.

Answer the following:

- a) How much water was used altogether?
- b) How much water is left in the bottle?

Q3. School Library (Fractions)

A library has 240 books. Out of these, $\frac{3}{5}$ are storybooks.

Answer the following:

- a) How many storybooks are there?
- b) How many books are not storybooks?

Q4. Shopping with Decimals

A student bought:

1. A notebook for ₹45.75
2. A pen for ₹18.50
3. An eraser for ₹6.25

The student paid ₹100.

Answer the following:

- a) Find the total cost.
- b) How much money should the student receive back?

Q5. Comparing Fractions

Riya says $\frac{5}{8}$ is greater than $\frac{2}{3}$.

Answer the following:

- a) Is Riya correct? Show your working.
- b) Explain the method you used to compare the fractions.

Q6. A rope is 6.8 m long. $\frac{3}{4}$ of the rope is used for a project.

Answer the following:

- a) How many metres of rope were used?
- b) How much rope is left?
- c) Why is it important to estimate your answer before calculating?