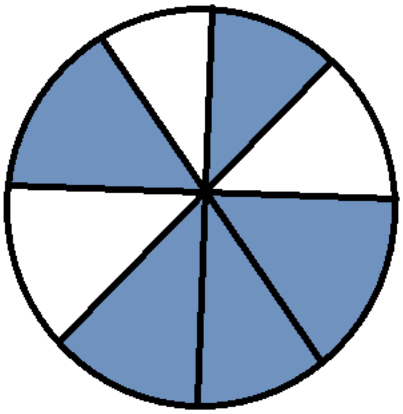
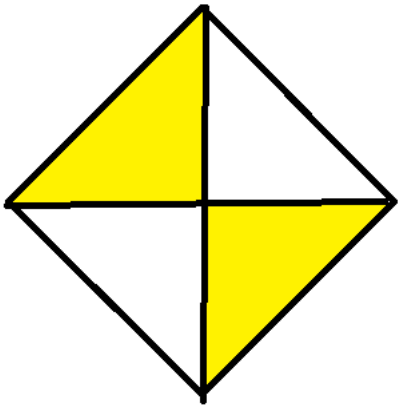
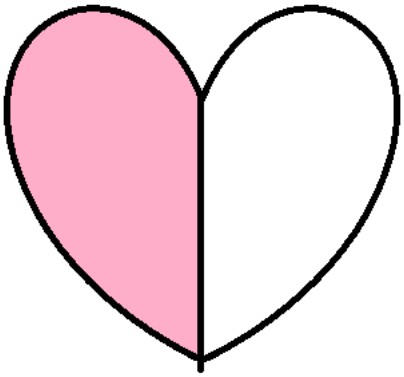
Mathematics: Chapter2- FRACTIONS

Q1.	**Fill in the blanks** 1. A fraction has two parts: the _____ and the denominator. 2. In the fraction $\frac{2}{5}$, the numerator is_____. 3. If the numerator and the denominator are equal, then the fraction is equal to ___. 4. A proper fraction always have the numerator _____ then the denominator. 5. An improper fraction has numerator _____than or equal to the denominator.
Q2.	If a pizza is cut into 8 slices and you eat 3 slices, what fraction of pizza did you eat? a) $\frac{8}{3}$ b) $\frac{3}{8}$ c) $\frac{5}{8}$ d) $\frac{8}{5}$
Q3.	Which of the following is an improper fraction? a) $\frac{3}{5}$ b) $\frac{8}{7}$ c) $\frac{7}{8}$ d) $\frac{5}{3}$
Q4.	Which is the improper fraction of $2\frac{1}{4}$? a) $\frac{3}{4}$ b) $\frac{7}{4}$ c) $\frac{9}{4}$ d) $\frac{4}{9}$
Q5.	Fractions having the same denominator are called a) Unlike fractions b) Proper fractions c) Like fractions d) Improper fractions
Q6.	Write the fraction representing the shaded portion.







Q7.	Write the next four equivalent fractions of $\frac{3}{5}$?
Q8.	Convert the following mixed fractions to improper fractions. a) $2\frac{1}{4}$ b) $3\frac{2}{3}$ c) $4\frac{2}{7}$

Q9. Compare the following fractions and put <, >.

a) $\frac{2}{11}$ ☐ $\frac{11}{2}$

b) $\frac{11}{14}$ ☐ $\frac{12}{14}$

c) $\frac{16}{15}$ ☐ $\frac{16}{18}$

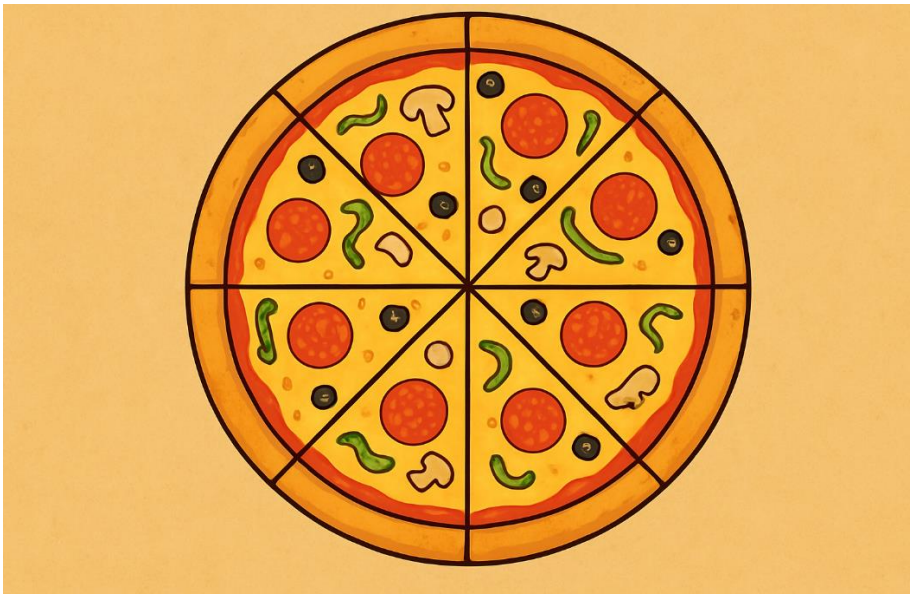
d) $\frac{2}{5}$ ☐ $\frac{3}{8}$

e) $\frac{3}{4}$ ☐ $\frac{3}{5}$

f) $\frac{5}{6}$ ☐ $\frac{4}{7}$

Q10. A pizza is cut into **8 equal slices**.

- Asha ate **1/2** of the pizza.
- The rest was left on the table.



Questions:

a) What is the total number of slices in the pizza?
b) What fraction of the pizza did Asha eat?
c) How many slices did Asha eat?
d) What fraction of the pizza was left?
e) How many slices were left on the table?

Q11.	Represent the following fractions on the number line. a. $\frac{3}{5}$ b. $\frac{11}{4}$ c. $\frac{3}{2}$ d. $\frac{15}{7}$ e. $\frac{5}{6}$
Q12.	Riya is learning about fractions in school. Her teacher asks her to draw a number line from 0 to 2 and mark the fractions **1/2, 3/2, and 5/4** on it. Riya draws the number line but she is not sure if she has placed all the fractions correctly. She decides to double-check by comparing the fractions to whole numbers. Look at the number line Riya drew: 0 --------|--------|--------|--------|--------|-------- 2 $\frac{1}{2}$ 1 $\frac{5}{4}$ $\frac{3}{2}$ a. What is the position of **1/2** on the number line between 0 and 1? b. Is **3/2** greater than 1? Explain how you know. c. Convert **5/4** into a mixed number and say between which two whole numbers it lies. d. Which of the fractions lies exactly halfway between 0 and 1? e. If we divide each whole number into 4 equal parts, what fraction will be exactly at the same position as **3/2**?