

## Maths - 10th Class Mathematics English Medium Chapter 4 Preparation

Q1. Give examples of identities.

**Ans 1:**

---

Q2. What is a fraction ?

**Ans 1:** The quotient of two numbers or algebraic expressions is called a fraction.

---

Q3. Can proper fraction be resolved ?

**Ans 1:**

---

Q4. What is the basic condition to resolve a rational fraction ?

**Ans 1:** The basic condition to resolve a rational fraction is that the numerator  $N(x)$  must be of lower degree than the denominator  $D(x)$ .

---

Q5. Give an example of proper fraction.

**Ans 1:**

---

Q6. What are partial fractions ?

**Ans 1:** The set of fraction each of which is prefixed by a positive or negative sign. The sum of these fractions is known as resultant fraction and the set of fractions are called partial fractions.

---

Q7. Define a rational fraction.

**Ans 1:**

---

Q8. Can any improper fraction be reduced ?

**Ans 1:** Yes, every improper fraction can be reduced by division to the sum of a polynomial and a proper fraction.

---

Q9. Define a resultant fraction.

**Ans 1:** A single fraction that is simplified form of two or more than two fractions is called resultant fraction.

---

Q10. Give an example of rational fraction.

**Ans 1:**

---