

Chapter 14



Factorisation

DIVISION OF ALGEBRAIC EXPRESSIONS:

We know that division is the inverse operation of multiplication.

Example (I):

$$3x \times 7x^3 = 21x^4$$

$$\text{So, } 21x^4 \div 3x = 7x^3 \text{ and } 21x^4 \div 7x^3 = 3x.$$

Example (II):

$$6a(a+5) = 6a^2 + 30a$$

$$\text{So, } (6a^2 + 30a) \div 6a = a + 5 \text{ and } (6a^2 + 30a) \div (a + 5) = 6a.$$