

CLASS 7

MATHS

REVISION NOTES

Revision Notes for Class 7 Maths Chapter 8: Working with Fractions

Quick revision notes summarizing all key concepts from Class 7 Maths Chapter 8 "Working with Fractions".

Quick revision notes summarizing all key concepts from Class 7 Maths Chapter 8 “Working with Fractions”.

To **multiply fractions**, multiply the numerators together and the denominators together: $(a/b) \times (c/d) = (a \times c)/(b \times d)$.

To multiply a fraction by a whole number, multiply the numerator by that whole number and keep the denominator the same.

When one factor in a multiplication is between 0 and 1, the product is **smaller** than the other factor. When one factor is greater than 1, the product is **larger** than the other factor.

To **divide by a fraction**, multiply by its reciprocal (flip the fraction upside down): $a \div (b/c) = a \times (c/b)$.

Dividing a number by a fraction less than 1 gives a result **larger** than the original number; dividing by a fraction greater than 1 gives a **smaller** result.

Always simplify fraction answers to lowest terms where possible, and convert improper fractions to mixed numbers when appropriate.

Real-world fraction problems often involve rate-based reasoning (e.g., “X fraction fills/covers per unit time,” then scaling up or down).

Telescoping product pattern: $(1 - 1/2) \times (1 - 1/3) \times \dots \times (1 - 1/n)$ always simplifies to $1/n$.

NCERT Solutions: [Class 7 Maths Chapter 8](#)

Extra Questions: [Class 7 Maths Chapter 8](#)

For the full chapter, see the [Class 7 Maths book page](#) and the [Class 7 Maths Formulas Handbook](#).