

CLASS 7

MATHS

REVISION NOTES

Revision Notes for Class 7 Maths Chapter 10: Operations with Integers

Quick revision notes summarizing all key concepts from Class 7 Maths Chapter 10 "Operations with Integers".

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To multiply or divide two integers: multiply/divide their absolute values, then apply the sign rule — **same signs give a positive result; different signs give a negative result.**

With multiple factors, count the number of negative signs: an **even** count of negatives gives a positive result; an **odd** count gives a negative result.

The distributive property applies to integers: $a \times (b + c) = a \times b + a \times c$.

Real-world integer applications: temperature changes (drops = negative), profit/loss (loss = negative), and elevation (below sea level = negative).

To find an unknown in an equation like $a \times x = b$, use $x = b \div a$ (with correct sign rules).

Finding a pair of numbers from their sum and difference: if $a+b=\text{Sum}$ and $a-b=\text{Difference}$, then $a=(\text{Sum}+\text{Difference})/2$ and $b=(\text{Sum}-\text{Difference})/2$.

When solving word problems with rates over time (e.g., temperature drop, cost accumulation), multiply the per-unit rate by the number of units, then add/subtract from the starting value.

See also: [NCERT Solutions for Class 7 Maths Chapter 10](#)

Practice more: [Extra Questions for Class 7 Maths Chapter 10](#)

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