

Integers

Chapter 3: Integers · Topic 1

Key Concept

Integers include all whole numbers and their negatives, like ...-3, -2, -1, 0, 1, 2, 3..., extending infinitely in both directions.

Adding two positive or two negative integers follows normal addition rules, but adding numbers with different signs requires finding the difference.

Subtracting an integer is the same as adding its opposite, like $5-3$ being the same as $5+(-3)$.

Multiplying or dividing integers with the same sign gives a positive result, while different signs give a negative result.

Quick Revision Notes

- Integers: whole numbers and negatives.
- Example: ...-3, -2, -1, 0, 1, 2, 3...
- Same-sign addition: normal addition.
- Different-sign addition: find the difference.
- Subtracting = adding the opposite.
- $5-3 = 5+(-3)$.
- Same-sign multiply/divide = positive result.
- Different-sign multiply/divide = negative result.

Practice Questions

- 1 Solve $-5+3$.
- 2 Solve $4-(-2)$.
- 3 Solve -6×3 .
- 4 Solve $-12\div -4$.
- 5 Arrange -3, 5, -1, 0 from smallest to largest.
- 6 Create your own integer operation problem.