

Integers and Algebra

Integers are a set of **whole numbers** that can be positive or negative.
 Integers does not include any decimals or fractions.

Example on the number line: $-5 + 8 = 3$

Use the number line below to help you with the following.

Practice 1: Addition and Subtraction of Integers



1. $8 - 12 =$
3. $-2 + 6 =$
5. $-9 - 2 =$
7. $1 - 3 =$
9. $9 - 10 =$

2. $2 -$
4. $-2 + 4 =$
6. $-4 + 1 =$
8. $2 - 10 =$

Study This

$+ \times + = +$ $- \times - = +$
 $+ \times - = -$ $- \times + = -$

AND

$... + (-...) = ... -$ $... - (-...) = +...$

Example

$3 + (-7) = 3 - 7 = -4$ $9 - (-3) = 9 + 3 = 12$

11. $-2 + (-2) =$
13. $(-3) -$
15. $-11 -$
17. $-10 =$
19. $(...) + 4 =$

12. $3 - (-7) =$
14. $-4 - 2 - 1 =$
16. $12 + (-16) =$
18. $-7 + 8 - (-2) =$
20. $-6 + (-6) - (-6) =$

Grade 7 Math Interventions

JL Elias



Grade 7 Math Interventions:

Math Triumphs, Grade 7, Student Study Guide, Book 1: Number and Operations, Algebra, and Geometry

McGraw-Hill, 2008-10-10 Math Triumphs is intended for use as a pull out intervention class RtI level 3 for students who are struggling in mathematics concepts two or more grade levels below their current grade It is designed for use in after school before school summer school intercession tutoring or pull out resource rooms Math Triumphs is the first intervention program designed around the NCTM Focal Points The Student Editions are 4 color consumable Student Study Guide worktexts focusing on the foundational skills and concepts leading up to one of the three grade level Focal Points Each chapter begins with a diagnostic assessment to identify concepts and skills that students may need to review or reinforce before introducing the new chapter

Intensifying Mathematics Interventions for Struggling Students

Diane Pedrotty Bryant, 2021-07-05 This book Intensive Mathematics Interventions provides a thorough background knowledge about mathematics difficulties across the grade span Even more valuable to educators this book provides user friendly guidance on how to address all of the elements of mathematics difficulties from preschool to secondary grades Each topic provides clear guidance to support decision making about intensive instruction including examples ideas practices and suggestions You will learn about the characteristics of students with math difficulties how to use data to progress monitor them how to intensify interventions specific evidence based practices for addressing early numeracy time and money whole numbers rational numbers word problem solving strategies algebra and even technology

Proactive Mathematics Interventions, Grades 2-5 Karen S. Karp, Francis (Skip) Fennell, Beth McCord Kobett, Delise R. Andrews, Jennifer Suh, Latrenda Knighten, 2025-09-10 Shifting from remediation to preparation so all students can thrive in mathematics Traditional math interventions often focus on remediation addressing gaps only after students have fallen behind Proactive Mathematics Interventions Grades 2 5 Priming for Success Through Engaging Tasks and Purposeful Design presents a game changing approach that shifts the focus from fixing kids to fixing systems Designed with a strengths based perspective this resource equips educators to prime students for success by preparing them with the foundational skills and confidence needed for grade level success and beyond Grounded in the latest research the book tackles critical challenges such as systemic inequities math anxiety and gaps in student readiness By integrating formative assessment asset based strategies and practical intervention tasks this comprehensive guide supports teachers math coaches interventionists and school leaders to create proactive systems that meet every learner where they re at Packed with 40 adaptable tasks more than 100 printable instructional resources and actionable strategies this guide Provides a strength based intervention model to help uncover and build on students existing strengths to cultivate their mathematical confidence Gives step by step guidance on creating a proactive intervention system from collaborative planning to formative assessment Includes engaging and adaptable low floor high ceiling tasks to support grade level instruction on critical mathematical topics Offers voices from the field with real life

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Real Math Intervention Support Guide Grade 4 Willoughby,2006-02 **Math Triumphs, Grade 7, Student Study Guide, Book 3: Number and Operations and Algebra** McGraw-Hill,2008-10-10 Math Triumphs is intended for use as a pull out intervention class RtI level 3 for students who are struggling in mathematics concepts two or more grade levels below their current grade It is designed for use in after school before school summer school intercession tutoring or pull out resource rooms Math Triumphs is the first intervention program designed around the NCTM Focal Points The Student Editions are 4 color consumable Student Study Guide worktexts focusing on the foundational skills and concepts leading up to one of the three grade level Focal Points Each chapter begins with a diagnostic assessment to identify concepts and skills that students may need to review or reinforce before introducing the new chapter **Research in Education** ,1968

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web because of the fact that polar covalent bonds have higher melting and boiling points why do dipole forces have an impact on the melting and boiling points of substances this is because the dipole forces are an added force of attraction that slows the molecules down making it take more energy to melt or boil them