



Switched-On
SCHOOLHOUSE® 2011 EDITION

Curriculum Catalog

Mathematics 500

Welcome to Switched-On Schoolhouse!

We are excited that you are including Switched-On Schoolhouse as part of your program of instruction, and we look forward to serving you and your students.

Switched-On Schoolhouse comes complete with a full, multimedia-rich curriculum for grades 3-12 in five core subjects and electives.

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UNIT 1: NUMBER SENSE AND FRACTIONS	
Assignment Titles	
1. Operations	14. Comparing Numbers Continued
2. Place Value and Large Numbers	15. Expanded Numbers
3. Quiz 1	16. Quiz 4
4. Fractions	17. Rounding Numbers
5. Fractions – Words	18. Rounding to 1,000s
6. Operations with Fractions	19. Estimation
7. Equivalent Fractions	20. Estimation of Multiplication Problems
8. Test for Equivalent Fractions	21. Quiz 5
9. Quiz 2	22. Special Project
10. Working with Numbers	23. Review Game
11. Mathematical Operations	24. TEST
12. Quiz 3	25. ALTERNATE TEST
13. Comparing Numbers	

UNIT 2: FRACTIONS AND MULTIPLICATION	
Assignment Titles	
1. Multiply with Two-Digit Multipliers	15. Multiplication Facts: The 13s
2. Division Problems	16. Multiplication Facts: The 14s
3. Factors and Multiples	17. Multiplication Facts: The 15s
4. Quiz 1	18. Drill: Divide
5. Fractions	19. Families of Facts
6. Simplifying a Fraction	20. Family of Facts: Multiplication and Division
7. Add and Subtract Fractions	21. Quiz 4
8. Subtract Mixed Numbers	22. Mathematics Symbols
9. Quiz 2	23. Practice Reading Symbols
10. Shapes	24. Quiz 5
11. Solids	25. Special Project
12. Angles and Real-Life Shapes	26. Review Game
13. Quiz 3	27. TEST
14. Drill: Add, Subtract, and Multiply	28. ALTERNATE TEST

UNIT 3: ANIMAL FARMS	
Assignment Titles	
1. Introduction to Short Division	12. Properties of Addition
2. Short Division Practice	13. Practice Adding/Subtracting/Multiplying
3. Division Symbols	14. Quiz 4
4. Quiz 1	15. Perimeter of Polygons
5. Adding/Subtracting with Unlike Denominators	16. Area of Squares and Rectangles
6. More Adding/Subtracting of Fractions	17. Area of Polygons
7. Quiz 2	18. Quiz 5
8. Estimation	19. Special Project
9. Averaging Numbers	20. Review Game
10. Writing A Number Sentence	21. TEST
11. Quiz 3	22. ALTERNATE TEST

UNIT 4: GEOMETRY, DECIMALS, MULTIPLICATION	
Assignment Titles	
1. Lines	13. Quiz 4
2. Protractor Measurement	14. Solving Multiplication Problems
3. Quiz 1	15. Solving Multiplication Problems Continued
4. Figures	16. More Solving Multiplication Problems
5. Triangles	17. Solving Division Problems
6. Circles	18. Multiplication and Short Division
7. Quiz 2	19. Quiz 5
8. Roman Numerals	20. Special Project
9. Decimals	21. Review Game
10. Writing Decimals Two Ways	22. TEST
11. Quiz 3	23. ALTERNATE TEST
12. Multiplication Properties	

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UNIT 5: MULTIPLICATION, MEASUREMENT, AND FRACTIONS

Assignment Titles

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|---|---------------------------------------|
| 1. Multiply and Divide by 10, 100, 1000 | 13. Quiz 3 |
| 2. Operations by 10,100,100 (Continued) | 14. Subtracting Mixed Numbers |
| 3. Multiplying Two-Digit Numbers | 15. Subtracting Mixed Number Problems |
| 4. Multiplying Three-Digit Numbers | 16. Quiz 4 |
| 5. Quiz 1 | 17. Solving Division Problems |
| 6. Measurement | 18. Long and Short Division |
| 7. Simplifying Measurement Problems | 19. Quiz 5 |
| 8. Measurement of Time | 20. Special Project |
| 9. Quiz 2 | 21. Review Game |
| 10. Review | 22. TEST |
| 11. Review (Continued) | 23. ALTERNATE TEST |
| 12. Formulas | |

UNIT 6: PLACE VALUE, FRACTIONS, DECIMALS

Assignment Title

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|--|------------------------------------|
| 1. Multiplication of Fractions | 14. Adding Decimals |
| 2. Simplifying Multiplication by Fractions | 15. Adding Decimals Continued |
| 3. Quiz 1 | 16. Subtracting Decimals |
| 4. Place Value | 17. Subtracting Decimals Continued |
| 5. Place Value Words | 18. Quiz 4 |
| 6. Decimal Numbers | 19. Multiplication of Decimals |
| 7. Writing Decimal Numbers | 20. Quiz 5 |
| 8. Quiz 2 | 21. Special Project |
| 9. Review | 22. Review Game |
| 10. Multiplication by Whole Numbers | 23. TEST |
| 11. Division by Whole Numbers | 24. ALTERNATE TEST |
| 12. Quiz 3 | |
| 13. Adding Decimals | |

UNIT 7: FRACTIONS AND THE METRIC SYSTEM

Assignment Title

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|--|--|
| 1. Dividing with Two Digits | 13. Measuring with the Metric System |
| 2. Working Division with Two Digits | 14. Review: Formulas |
| 3. Quiz 1 | 15. Quiz 3 |
| 4. Fractions | 16. Multiplying Fractions with Whole Numbers |
| 5. Fractions-Proper and Improper | 17. Multiplying Fractions with Mixed Numbers |
| 6. Reducing Fractions | 18. Quiz 4 |
| 7. Add/Sub Mixed Numbers – Like Denoms. | 19. Multiplying Decimals with Whole Numbers |
| 8. Finding Common Denominators | 20. Quiz 5 |
| 9. Subtracting by Finding Common Denoms. | 21. Special Project |
| 10. Add/Sub Mixed Numbers – Unlike Denoms. | 22. Review Game |
| 11. Quiz 2 | 23. TEST |
| 12. Metric System | 24. ALTERNATE TEST |

UNIT 8: CALCULATORS AND REVIEW

Assignment Title

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|---|--|
| 1. Whole Numbers and Your Calculator | 13. Prime Factors |
| 2. Multiplication with Your Calculator | 14. Quiz 4 |
| 3. Division with Your Calculator | 15. Review of Mixed Numbers |
| 4. Quiz 1 | 16. Mult. of Whole Numbers and Fractions |
| 5. Add/Sub Decimals with Your Calculator | 17. Mult. of Fractions with Fractions |
| 6. Mult/Div Decimals with Your Calculator | 18. Mixed Numbers to Improper Fractions |
| 7. Quiz 2 | 19. Multiplying Mixed Numbers |
| 8. Review: Properties of Add/Mult | 20. Quiz 5 |
| 9. Review: Grouping and Fractions | 21. Special Project |
| 10. Review: Estimation and Rounding | 22. Review Game |
| 11. Quiz 3 | 23. TEST |
| 12. Factor Boxes | 24. ALTERNATE TEST |

Mathematics 500 (cont.)

UNIT 9: FRACTIONS, RATIOS, AND DECIMALS

Assignment Title

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|--|--|
| 1. Finding Reciprocals | 13. Fractions to Decimals to Percent |
| 2. Reciprocals and Dividing Fractions | 14. Quiz 4 |
| 3. Dividing Fractions with Whole Numbers | 15. Comparing Fractions |
| 4. Dividing Fractions with Mixed Numbers | 16. Add/Sub Mixed Numbers and Decimals |
| 5. Quiz 1 | 17. Mult/Div Fractions and Decimals |
| 6. Division of Decimals | 18. Word Problems |
| 7. Place Value and Remainders | 19. Quiz 5 |
| 8. Quiz 2 | 20. Special Project |
| 9. Coordinate Graphs | 21. Review Game |
| 10. Ratios | 22. TEST |
| 11. Quiz 3 | 23. ALTERNATE TEST |
| 12. Converting Fractions and Decimals | |

UNIT 10: ESTIMATION, RANDOM SAMPLES, GRAPHS, REVIEW

Assignment Title

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|--|---|
| 1. Estimation and Prediction | 11. Review: Writing Large Numbers |
| 2. Random Samples | 12. Quiz 4 |
| 3. Quiz 1 | 13. Review: Missing Number Equations |
| 4. Graphs | 14. Review: Multiplication of Whole Numbers |
| 5. Problems Using Graphs | 15. Review: Division of Whole Numbers |
| 6. Quiz 2 | 16. Quiz 5 |
| 7. Review: Factors, Rounding, and Averages | 17. Special Project |
| 8. Review: Lines, Angles, Shapes, and Ratios | 18. Review Game |
| 9. Quiz 3 | 19. TEST |
| 10. Review: Place Value | 20. ALTERNATE TEST |