

Iowa Test of Basic Skills
Matched to
SkillsTutor and CornerStone Math C
Grades 7th – 8th

Grade 7 Indicators:

A. Students can understand and apply a variety of math concepts.

1. Represent, compare, and order numbers

Understanding Numbers:

Understanding Numbers: Lesson 1: Place Value & Scientific Notation
Understanding Numbers: Lesson 2: Word Names & Scientific Notation
Understanding Numbers: Lesson 3: Comparing & Ordering Numbers

2. Describe and apply properties of numbers

Using Decimals:

Using Decimals: Lesson 1: Addition of Decimals
Using Decimals: Lesson 2: Subtraction of Decimals
Using Decimals: Problem Solving: Lesson 3: The Gift of Song
Using Decimals: Lesson 4: Multiplication of Decimals
Using Decimals: Lesson 5: Division of Decimals
Using Decimals: Lesson 6: Number Sequences
Using Decimals: Problem Solving: Lesson 7: Pedal Power

Using Fractions and Percents:

Using Fractions and Percents: Lesson 1: Equivalent Forms
Using Fractions and Percents: Lesson 2: Addition of Fractions
Using Fractions and Percents: Lesson 3: Subtraction of Fractions
Using Fractions and Percents: Problem Solving: Lesson 4: Pass the Popcorn
Using Fractions and Percents: Lesson 5: Multiplication of Fractions
Using Fractions and Percents: Lesson 6: Division of Fractions
Using Fractions and Percents: Problem Solving: Lesson 7: Rolling In Dough
Using Fractions and Percents: Lesson 8: Percent of a Number
Using Fractions and Percents: Lesson 9: Finding the Whole
Using Fractions and Percents: Lesson 10: Finding the Percent
Using Fractions and Percents: Lesson 11: Using Percents
Using Fractions and Percents: Problem Solving: Lesson 12: Kick Up Your Heels

3. Classify numbers by divisibility

Understanding Numbers:

Understanding Numbers: Lesson 1: Place Value & Scientific Notation

Understanding Numbers: Lesson 2: Word Names & Scientific Notation
Understanding Numbers: Lesson 3: Comparing & Ordering Numbers

4. Demonstrate ways of performing operations

Using Decimals: Lesson 1: Addition of Decimals
Using Decimals: Lesson 2: Subtraction of Decimals

Using Decimals: Problem Solving: Lesson 3: The Gift of Song
Using Decimals: Lesson 4: Multiplication of Decimals
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Using Fractions and Percents: Problem Solving: Lesson 12: Kick Up Your Heels

5. Use place value; write numbers in standard, expanded, and exponential form

Understanding Numbers:

Understanding Numbers: Lesson 1: Place Value & Scientific Notation
Understanding Numbers: Lesson 2: Word Names & Scientific Notation
Understanding Numbers: Lesson 3: Comparing & Ordering Numbers

7. Solve equations and inequalities

Using Decimals:

Using Decimals: Lesson 1: Addition of Decimals
Using Decimals: Lesson 2: Subtraction of Decimals
Using Decimals: Problem Solving: Lesson 3: The Gift of Song
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9. Explore numerical patterns

Using Decimals: Lesson 6: Number Sequences

C. Students can solve a variety of math problems.

1. Solve single-step and multiple-step math problems

Using Decimals:

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2. Identify extraneous or insufficient information in problems

Word Problems

Using Decimals:

Using Decimals: Problem Solving: Lesson 3: The Gift of Song
Using Decimals: Problem Solving: Lesson 7: Pedal Power

Using Fractions and Percents:

Using Fractions and Percents: Problem Solving: Lesson 4: Pass the Popcorn
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3. Choose a method for solving a problem

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D. Students can interpret data presented in a variety of ways.

1. Read amounts on scales of bar and line graphs

Working with Data:

Working with Data: Lesson 1: Bar Graphs

Working with Data: Lesson 2: Line Graphs

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Understanding Numbers: Lesson 3: Comparing & Ordering Numbers

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