

Pearson Test Item Banks

Formative Assessment Items for Student Learning



In today's school climate, educators are asked to consistently evaluate students' learning and achievement as a means to ensure their success. To reach this goal, educators need tools to help identify students who are at risk academically, and develop instructional strategies to help them succeed.

Research validates that when teachers monitor student's progress, students learn more and teachers' decision-making improves.

As one part of our formative assessment solutions addressing the Teach & Learn Cycle™, Pearson Assessments is introducing seven mathematics test item banks developed by content specialists from Pearson publishers, the global leader in educational publishing.

More than 7,000 formative test items are included for grades 6 through 12. These mathematics items are the first in a series of formative assessment item banks scheduled for release in 2005 – 2006.

The mathematics series of test item banks contain both selected-response and constructed-response items addressing General Math Concepts, Pre-Algebra, Algebra, Geometry, and all test items are available in both English and Spanish.





Help Teachers Focus Instruction and Promote Student Growth

It has long been accepted that frequent monitoring of student performance allows teachers to identify student's learning needs and develop instructional approaches to address their needs. Many educators have found however, that classroom teachers lack the time and resources to develop quality test items to assess student's grasp of the classroom material.

District testing personnel and classroom teachers can use the Pearson Test Item Banks for daily formative assessments or interim benchmark assessments.

They are used in a variety of ways:

- Evaluate student skills for placement early in the year
- Measure student progress toward state standards—many of the test items are pre-aligned to state standards
- Provide targeted testing to identify students having difficulty with specific concepts
- Give students valuable test experience in preparation for state tests
- Assess student readiness for end-of-course or state tests

Aligned to Many State and National Standards

These item banks are aligned to many state frameworks and national standards and norm-referenced tests including: California Achievement Tests, 5th Edition, Comprehensive Test of Basic Skills, Iowa Test of Basic Skills, NAEP 2005, SAT-9 and SAT-10. You can also modify the alignments to meet the particular needs of your school and district.

Item Banks formatted to Support Pearson Assessments Scoring and Analysis Tools

The Pearson Test Item Banks are in ExamView® format, which allows teachers and administrators to automatically populate scoring and analysis solutions. Use these item banks with any of the following Pearson Assessments' scoring solutions:

- OpScan® SelfScore® Scanners
- Remark Classic OMR® scoring software
- Prosper™ assessment system
- Classroom Performance System (CPS) handheld remote clickers
- ExamView Test Center online testing system

Not only do the test item banks save teachers and administrators time, they are extremely affordable. For clients currently using scoring solutions from Pearson Assessments, our Preferred Customer Program provides them with greater discounts.



Test Item Banks Available:

General Math Concepts

Decimals
Patterns and Variables
Number Theory and Fractions
Adding and Subtracting Fractions
Multiplying and Dividing Fractions
Ratios, Proportions and Percents
Data and Graphs
Integers
Exploring Probability
Equations and Inequalities
Decimals and Integers
Exponents, Factors and Fractions
Operations with Fractions
Ratios, Rates and Proportions
Percents
Patterns and Rules
Graphing in the Coordinate Plane
Integers and Algebraic Expressions
Real Numbers
Applications of Proportions
Applications of Percent
Exponents and Powers
Geometry
Geometry and Measurement
Using Graphs to Analyze Data
Probability
Algebraic Relationships
Displaying and Analyzing Data
Using Probability

Pre-Algebra

Algebraic Expressions and Integers
Solving One-Step Equations and Inequalities
Decimals and Equations
Factors, Fractions and Exponents
Operations with Fractions
Ratios, Proportions, and Percents
Solving Equations and Inequalities
Linear Functions and Graphing
Spatial Thinking
Area and Volume
Right Triangles in Algebra
Data Analysis and Probability
Nonlinear Functions and Polynomials

Algebra

Tools of Algebra
Solving Equations
Solving Inequalities
Solving and Applying Proportions
Graphs and Functions
Linear Equations and Their Graphs
Systems of Equations and Inequalities
Exponents and Exponential Functions
Polynomials and Factoring
Quadratic Equations and Functions
Radical Expressions and Equations
Rational Expressions and Functions
Functions, Equations and Graphs
Linear Systems
Matrices
Quadratic Equations and Functions
Polynomials and Polynomial Functions
Radical Functions and Rational Exponents
Exponential and Logarithmic Functions
Rational Functions
Quadratic Relations
Sequences and Series
Probability and Statistics
Periodic Functions and Trigonometry
Trigonometric Identities and Equations

Geometry

Tools of Geometry
Reasoning and Proof
Parallel and Perpendicular Lines
Congruent Triangles
Relationships within Triangles
Quadrilaterals
Area
Similarity
Right Triangle Trigonometry
Surface Area and Volume
Circles
Transformations

The Teach & Learn Cycle™

Pearson Assessments' test item banks are an integral part of the Teach & Learn Cycle. Whether you are a teacher or an administrator, you use proven methods and resources to address each aspect of the Teach & Learn Cycle. We are here to support your efforts every day to:

- Teach the right material at the right time
- Assess what your students know
- Report the results
- Diagnose where each student needs help
- Prescribe the most effective instruction



To learn more about the
Pearson Test Item Banks
or any of our
Formative Assessment Solutions,
contact us at **800-447-3269**
or visit our website at
PearsonNCS.com/test-item-banks.

Pearson Assessments' engineering and production processes for data collection systems and forms are ISO 9001 certified.



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