3rd Grade Mathematics Pacing Chart
Correlated to BEEP Lessons

IMPORTANT:

- Some Harcourt Math lessons have been combined on this chart to cover all concepts before the administration of the FCAT.

- Some Harcourt Math lessons that are not FCAT tested were NOT included on this chart. They may be used for remediation and enrichment (see attached list).

- On chapter tests, be sure to test only concepts that have been taught.

- The instruction of multiplication and division facts should be ongoing from August – June.

PLEASE NOTE:

In some lessons, more than one concept is taught and may be beyond the FCAT Content Limits. Refer to the General Content Limits*, pages 13-18 in the DOE-FCAT Mathematics, Grades 3-5 Test Item and Performance Task Specifications booklet.

* Included with Pacing Chart for Grades 3-5

Key: ▢ Number Sense   ▢ Measurement   ▢ Geometry   ▢ Algebraic Thinking   ▢ Data Analysis & Probability

3rd Grade Mathematics Pacing Chart
Correlated to BEEP Lessons

001 Lesson 15.1 Collect Data Review number facts, see Lessons 1.1-1.3	002 Lessons 15.2 – 15.3 Use Data from a Survey; Classify Data	003 Lessons 15.5 – 15.6 Line Plots; Mean and Median In grade 3, only range, median, and/or mode is FCAT tested.	004 Lesson 16.1 Problem Solving Strategy: Make a Graph	005 Lesson 16.2 Bar Graphs
006 Lesson 16.3 Make Bar Graphs	007 Lesson 16.4 Ordered Pairs	008 Lesson 16.5 Line Graphs	009 Review/ Chapters 15/16 Test	010 Lesson 1.4 Two-Digit Addition
011 Lesson 1.5 Two-Digit Subtraction	012 Lesson 1.6 Problem Solving Skill: Choose the Operation	013 Review/ Chapter 1 Test	014 Lesson 2.2 Place Value: Three Digit Numbers	015 Lesson 2.3 Place Value: Four Digit Numbers
016 Lesson 2.4 Problem Solving Use Logical Reasoning	017 Lesson 2.5 Number Patterns	018 Lesson 2.6 Place Value: 5- and 6- Digit Numbers	019 Review/ Chapter 2 Test	020 Lesson 3.1 Benchmark Numbers
021 Lesson 3.2 Compare Numbers	022 Lesson 3.3 Order Numbers	023 Lesson 3.4 Problem Solving Skill: Use a Bar Graph	024 Lesson 3.5 Round to Nearest 10 and 100	025 Lesson 3.6 Round to Nearest 1,000

Key:
- ◻ Number Sense
- ◻ Measurement
- ◻ Geometry
- ◻ Algebraic Thinking
- ◻ Data Analysis & Probability

3rd Grade Mathematics Pacing Chart
Correlated to BEEP Lessons

026 Review/ Chapter 3 Test	027 Lessons 4.1 – 4.2 Estimate Sums; Addition with Regrouping	028 Lesson 4.3 Add 3- and 4- Digit Numbers	029 Lesson 4.4 Problem Solving Strategy: Predict and Test	030 Lesson 4.6 Algebra: Expressions and Number Sentences
031 Review/ Chapter 4Test	032 Lesson 5.1 Estimate Differences Review place value and estimation	033 Lesson 5.2 Subtraction with Regrouping Estimate differences	034 Lesson 5.3 Subtract Across Zeros	035 Lesson 5.4 Subtract 3- and 4-Digit Numbers
036 Lesson 5.6 Problem Solving Skill: Estimate or Exact Answer	037 Review/ Chapter 5 Test	038 Lessons 19.1 – 19.2 Line Segments and Angles; Types of Lines	039 Lesson 19.3 Plane Figures	040 Lesson 19.4 Triangles
041 Lesson 19.5 Quadrilaterals	042 Review/ Chapter 19 Test	043 Lessons 20.1 – 20.3 Congruent and Similar Figures	044 Lesson 20.2 Symmetry	045 Lesson 20.4 Slides, Flips, and Turns
048 Lesson 20.5 Problem Solving Strategy: Make a Model	047 Lesson 21.1 Solid Figures	048 Review/ Chapter 20 Test	049 Lesson 8.1 Connect Addition and Multiplication	050 Lesson 8.2 Multiply with 2 and 5

Key: ▢ Number Sense   ▢ Measurement   ▢ Geometry   ▢ Algebraic Thinking   ▢ Data Analysis & Probability

3rd Grade Mathematics Pacing Chart
Correlated to BEEP Lessons

051 Lesson 8.3 Arrays	052 Lesson 8.4 Multiply with 3	053 Lesson 8.5 Problem Solving Skill: Too Much/Too Little Information	054 Review/ Chapter 8 Test	055 Lesson 9.1 Multiply with 1 and 0
056 Lesson 9.2 Multiply with 4 on a Multiplication Table	057 Lesson 9.3 Problem Solving Strategy: Find a Pattern	058 Lesson 9.4 Practice Multiplication	059 Lesson 9.5 Algebra: Missing Factors	060 Review/ Chapter 9 Test
061 Lesson 23.1 Geometric Patterns Review multiplication	062 Lesson 23.2 Visual Patterns	063 Lesson 23.3 Number Patterns	064 Lessons 23.4 and 23.5 Make and Find a Pattern	065 Lesson 11.2 Find a Rule
066 Review/ Chapter 23 Test Review patterns during Calendar Math	067 Lesson 12.1 The Meaning of Division	068 Lesson 12.2 Subtraction and Division	069 Lesson 12.3 Multiplication and Division	070 Lesson 12.4 Fact Families
071 Review/ Chapter 12 Test	072 Lesson 22.1 Perimeter	073 Lesson 22.2 Area	074 Lesson 22.3 Make Generalizations	075 Review/ Chapter 22 Test

Key: ☐ Number Sense   ☐ Measurement   ☐ Geometry   ☐ Algebraic Thinking   ☐ Data Analysis & Probability

3rd Grade Mathematics Pacing Chart
Correlated to BEEP Lessons

076 Lesson 6.1 Count Bills and Coins	077 Lesson 6.2 Problem Solving Strategy: Make a Table	078 Lessons 6.3 – 6.4 Compare Money Amounts; Make Change	079 Lesson 6.5 Add and Subtract Money	080 Review/ Chapter 6 Test
081 Lessons 7.1 - 7.2 Tell Time; A.M. and P.M.	082 Lesson 7.3 Elapsed Time Hour intervals only ex. 3:15 - 5:15	083 Lesson 7.4 Use a Schedule Continue to review elapsed time	084 Lesson 7.5 Use a Calendar	085 Lesson 7.6 Problem Solving Skill: Sequence Events Review estimation
086 Review/Chapter 7 Test Continue to review time and money through Calendar Math	087 Lesson 25.1 Parts of a Whole Use fraction bar or strips to develop concepts of half/whole	088 Lesson 25.2 Parts of a Group	089 Lesson 25.3 Equivalent Fractions	090 Lesson 25.4 Compare and Order Fractions
091 Review/ Chapter 25 Test	092 Lesson 26.1 Add Fractions Use fraction bars or strips	093 Lesson 26.2 Add Fractions	094 Lesson 26.3 Subtract Fractions Use fraction bars or strips	095 Lesson 26.4 Subtract Fractions
096 Lesson 26.5 Problem Solving Skill: Reasonable Answers	097 Review/ Chapter 26 Test Continue to review fractions with probability	098 Lesson 24.1 Probability	099 Lessons 24.2 – 24.3 Outcomes; Experiments	100 Lesson 24.4 Predict Outcomes

Key: ▢ Number Sense ▢ Measurement ▢ Geometry ▢ Algebraic Thinking ▢ Data Analysis & Probability

3rd Grade Mathematics Pacing Chart
Correlated to BEEP Lessons

101 Lesson 24.5 Combinations	**102** Lesson 24.6 Problem Solving Strategy: Make a List	**103** Review/ Chapter 24 Test Integrate fraction concepts with customary measurement	**104** Lesson 17.1 Length Customary measurement	**105** Lesson 17.2 Inch, Foot, Yard, and Mile
106 Lesson 17.3 Capacity Customary measurement	**107** Lesson 17.4 Weight Customary measurement	**108** Lesson 17.6 Problem Solving Skill: Estimate or Measure	**109** Review/ Chapter 17 Test	**110** Lessons 18.1 – 18.2 Length; Make a Table Metric measurement
111 Lesson 18.3 Capacity	**112** Lesson 18.4 Mass	**113** Lesson 18.5 Temperature: Fahrenheit and Celsius	**114** Review/ Chapter 18 Test	**115** Lesson 10.1 Multiply with 6 and Lesson 19.6 Draw a Diagram
116 Lesson 10.2 Multiply with 8	**117** Lesson 10.3 Problem Solving Skill: Use a Pictograph	**118** Lesson 10.4 Multiply with 7	**119** Lesson 10.5 Algebra: Practice the Facts	**120** Review/ Chapter 10 Test
121 Lesson 11.1 Multiply with 9 and 10	**122** Lesson 11.3 Multiply with 3 Factors	**123** **AFTER FCAT** Lesson 22.4 Volume	**124** Lesson 11.4 Multiplication Properties	**125** Lesson 11.5 Multistep Problems

Key: ■ Number Sense   ■ Measurement   ■ Geometry   ■ Algebraic Thinking   ■ Data Analysis & Probability

3rd Grade Mathematics Pacing Chart
Correlated to BEEP Lessons

126 Review/Test Chapter 11 Test	127 Lesson 13.1 Divide by 2 and 5	128 Lesson 13.2 Divide by 3 and 4	129 Lesson 13.3 Divide with 1 and 0	130 Lesson 13.4 Algebra: Expressions and Equations
131 Lesson 13.5 Problem Solving Skill: Choose the Operation	132 Review/ Chapter 13 Test	133 Lesson 14.1 Divide by 6, 7, and 8	134 Lesson 14.2 Divide by 9 and 10	135 Lesson 14.3 Practice Division Facts
136 Lesson 14.4 Algebra: Find the Cost	137 Lesson 14.5 Problem Solving Strategy: Work Backward	138 Review/ Chapter 14 Test	139 Lesson 27.1 Fractions and Decimals	140 Lesson 27.2 Tenths
141 Lesson 27.3 Hundredths	142 Lesson 25.5 Problem Solving Strategy: Make a Model	143 Lesson 27.4 Decimals Greater Than One	144 Lesson 27.5 Compare and Order Decimals	145 Lesson 27.6 Problem Solving Skill: Too Much/ Too Little Information
146 Review/ Chapter 27 Test	147 Lesson 28.1 Fractions and Money	148 Lesson 28.2 Decimals and Money	149 Lesson 28.3 Add and Subtract Decimals and Money	150 Review/ Chapter 28 Test

Key: ☐ Number Sense   ☐ Measurement   ☐ Geometry   ☐ Algebraic Thinking   ☐ Data Analysis & Probability

Grade 3 General Content Limits

The content limits described below are applicable to all items developed for Grade 3. The content limits defined in the individual benchmark specifications, however, may be an expansion or further restriction of these limits.

Whole numbers

- Items should not exceed one operation.
- Place values should range from ones through hundred thousands.

Addition
- Items should not exceed 2 addends.
- Addends should not exceed 3 digits.

Subtraction
- Numbers should not exceed 3 digits.

Multiplication
- Products should not exceed 2 digits, unless one or both factors are a multiple of 10,
- and should not involve regrouping.

Division
- Divisors should not exceed 1 digit, and dividends should not exceed 2 digits.
- Quotients should not have remainders.

Decimals

- Place value of decimal numbers should be limited to money.

Addition
- Addends should not exceed 3 digits.
- Items related to money should be limited to 2 decimal places.

Subtraction
- Subtraction problems related to money should be limited to 2 decimal places.

Multiplication
- Not assessed at Grade 3

Division
- Not assessed at Grade 3

Fractions

- Fractions should have common denominators of 2, 3, 4, 5, 6, 8, or 10. Items should not involve mixed numbers.

Addition
- Items should not exceed 2 addends.

Subtraction
- See benchmark.

Multiplication
- Not assessed at Grade 3

Division
- Not assessed at Grade 3

Percent

- Not assessed at Grade 3

Measurement

- Items will be limited to assessment of length, weight, time, temperature, perimeter, area, capacity, and right angles.

Grade 3 Mathematics
BEEP Pacing Chart Additional Lessons *

Lesson 1.1
Fact Families

Lesson 1.2
Algebra Missing Addends

Lesson 1.3
Algebra Properties

Lesson 2.1
Hands on Even & Odd

Lesson 4.5
Choose a Method

Lesson 5.5
Choose a Method

Lesson 12.5
Problem Solving Strategy:
Write a Number Sentence

Lesson 17.5
Ways to Change Units

Lesson 21.2
Combine Solid Figures

Lesson 21.3
Tessellations

Lesson 21.4
Hands on Draw Figures

Lesson 21.5
Problem Solving Skill:
Identify Relationships

Review/
Chapter Test 21

Lesson 25.6
Mixed Numbers

Lesson 28.4
Problem Solving Strategy:
Solve a Simpler Problem

Lesson 29.1
Hands on Multiply Multiples of 10
and 100

Lesson 29.2
Multiply 2-digit Numbers

Lesson 29.3
Problem Solving Skill: Choose the
Operation

Lesson 29.4
Choose a Method

Review/
Chapter 20 Test

Lesson 30.1
Hands on Divide with Remainders

Lesson 30.2
Hands On Divide 2-Digit Numbers

Lesson 30.3
Problem Solving Skill:
Interpret the Remainder

Lesson 30.4
Divide 3-Digit Numbers

Lesson 30.5
Estimate Quotients

Review/
Chapter 30 Test

* These lessons are not included on the BEEP lesson pacing chart. Feel free to include them for remediation or enrichment as needed.