

CPS Benchmark Assessment - Spring 2010 - Grade 3

This table is a resource created to expand students' understanding of the concepts covered by the CPS Benchmark Assessment. Benchmark questions and related concepts are listed in columns 1 and 2. Column 3 displays the state learning goal related to the concept. Column 4 displays the path students follow on <http://countdown.luc.edu> to access movies relevant to the concept covered by the question. Instructional movies can be viewed FREE of charge as many times as a student desires. (NCTM standards are in the left margin of the Countdown homepage → their subcategories are shown underneath → these link to lists of movie titles.)

Question #	Concept	State Learning Goal #	NCTM Standard → Category → Movie Title
1	Fraction visuals	6	<ul style="list-style-type: none"> • Number & Operations → Fractions → Fraction Visuals • Number & Operations → Fractions → Fraction Squares on the Computer* • Number & Operations → Fractions → Fraction Design: Explorations on the Computer
2	Place value	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Whole Number Place Value on the Computer • Number & Operations → Decimals → Place Value: Part 1
3	Polygons	9	<ul style="list-style-type: none"> • Geometry → Two Dimensional → Shapes Polygons
4	Inequalities	6	<ul style="list-style-type: none"> • Algebra → Equations & Graphing → Intro to Inequalities: Part 1 • Algebra → Equations & Graphing → Intro to Inequalities: Part 2 •
5	Using a ruler	8	<ul style="list-style-type: none"> • Measurement → Metric & Customary → Units Optical Illusions: Centimeters • Measurement → Metric & Customary Units → Optical Illusions: Inches
6	Multiply by 10	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Multiply by 10, 100, 1000*
7	Time	7	<i>No movies are available at this time</i>
8	Number line	6	<ul style="list-style-type: none"> • Number & Operations → Integers → Integers and the Number Line Part 1 • Number & Operations → Integers → Integers and the Number Line Part 2 • Connections → Social Studies → Comparing a Number Line to a Time Line
9	Conversion	7	<ul style="list-style-type: none"> • Number & Operations → Decimals → Subtracting Decimals & Non-Decimals
10	Fraction visuals	6	<ul style="list-style-type: none"> • Number & Operations → Fractions → Fraction Visuals • Number & Operations → Fractions → Fraction Squares on the Computer* • Number & Operations → Fractions → Fraction Design: Explorations on the Computer
11	Polygons	9	<ul style="list-style-type: none"> • Geometry → Two Dimensional Shapes → Polygons*
12	Faces	10	<ul style="list-style-type: none"> • Geometry → Three Dimensional Shapes → Faces, Edges, & Vertices* • Geometry → Two Dimensional Shapes → Polygons*

* indicates an accompanying downloadable worksheet available

CPS Benchmark Assessment - Spring 2010 - Grade 3

13	Simple word problems	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Computation Vocabulary* • Number & Operations → Whole Numbers → Word Problems & Comparisons*
14	Probability	10	<ul style="list-style-type: none"> • Data Analysis & Probability → Probability → Probability Intro* • Data Analysis & Probability → Probability → Probability Between Zero & One* • Data Analysis & Probability → Probability → Probability Using Gumballs
15	Simple word problems	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Computation Vocabulary* • Number & Operations → Whole Numbers → Word Problems & Comparisons
16	Number Pattern	8	<ul style="list-style-type: none"> • Algebra → Patterns → Number Sequence: Introduction • Algebra → Patterns → Number Sequence: Visual • Number & Operations → Whole Numbers → Working with Patterns*
17	Perimeter	7	<ul style="list-style-type: none"> • Measurement → Area & Perimeter → Countdown Activity: Area & Perimeter • Measurement → Area & Perimeter → Area and Perimeter* • Measurement → Area & Perimeter → Comparing Area & Perimeter on the Computer • Measurement → Area & Perimeter → Area & Perimeter Formulas on the Computer • Measurement → Area & Perimeter → Using “Spaghetti & Meatballs”: Part 1* • Measurement → Area & Perimeter → Using “Spaghetti & Meatballs”: Part 2* • Measurement → Area & Perimeter → Rectangle Riddles: Intro • Measurement → Area & Perimeter → Solving Rectangle Riddles • Measurement → Area & Perimeter → Solving Rectangle Riddles with Factors • Measurement → Area & Perimeter → Writing Rectangle Riddles* • Extended Response → Measurement → Schoolyard Perimeter: Solution* • Extended Response → Measurement → Schoolyard Perimeter: Explanation*
18	Estimation	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Rounding*
19	Simple word problems	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Computation Vocabulary* • Number & Operations → Whole Numbers → Word Problems & Comparisons*
20	Faces	9	<ul style="list-style-type: none"> • Geometry → Three Dimensional Shapes → Faces, Edges, & Vertices
21	Reading graphs	10	<ul style="list-style-type: none"> • Data Analysis & Probability → Graphs → Pictogram, Bar & Line* • Data Analysis & Probability → Graphs → Pictogram on the Computer • Extended Response → Criteria & Rubric → Bar Graphs: Part 1 • Extended Response → Criteria & Rubric → Bar Graphs: Part 2
22	Weight vocabulary	7	<i>No movies available at this time</i>

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CPS Benchmark Assessment - Spring 2010 - Grade 3

23	Symmetry	9	<ul style="list-style-type: none"> • Geometry → Symmetry → Symmetry: Intro 1* • Geometry → Symmetry → Symmetry: Intro 2* • Geometry → Symmetry → Symmetry Using Polygons* • Geometry → Symmetry → Symmetry Fun*
24	Simple word problems	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Computation Vocabulary* • Number & Operations → Whole Numbers → Word Problems & Comparisons*
25	Compare decimals	6	<ul style="list-style-type: none"> • Number & Operations → Decimals → Ordering Decimals • Number & Operations → Decimals → Ordering Decimals on the Computer • Number & Operations → Decimals → Comparing Decimals
26	Equations	8	<ul style="list-style-type: none"> • Algebra → Equations & Graphing → Equation Basics • Algebra → Variables → Translating English to Algebra
27	Number sentence	6	<ul style="list-style-type: none"> • Algebra → Equations & Graphing → Equation Basics
28	Conversion	7	<ul style="list-style-type: none"> • Number & Operations → Decimals → Subtracting Decimals & Non-Decimals
29	Simple word problems	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Computation Vocabulary* • Number & Operations → Whole Numbers → Word Problems & Comparisons*
30	Congruence	9	<ul style="list-style-type: none"> • Geometry → Congruence & Similarity → Congruency* • Geometry → Congruence & Similarity → Congruent and Similar on the Computer
31	Place value	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Whole Number Place Value on the Computer • Number & Operations → Decimals → Place Value: Part 1
32	Area	7	<ul style="list-style-type: none"> • Extended Response → Measurement → Area of Parking Lot: Solution • Extended Response → Measurement → Area of Parking Lot: Explanation
33	Even numbers	6	<i>No videos available at this time</i>
34	Visual pattern	8	<ul style="list-style-type: none"> • Algebra → Patterns → Number Sequence: Introduction* • Algebra → Patterns → Number Sequence: Visual* • Extended Response → Algebra → Toothpick Pattern* • Extended Response → Algebra → Toothpick Pattern Solution • Extended Response → Algebra → Tile Patterns*

CPS Benchmark Assessment - Spring 2010 - Grade 3

35	Reading graphs	10	<ul style="list-style-type: none"> • Data Analysis & Probability → Graphs → Pictogram, Bar & Line* • Data Analysis & Probability → Graphs → Pictogram on the Computer • Extended Response → Criteria & Rubric → Bar Graphs: Part 1 • Extended Response → Criteria & Rubric → Bar Graphs: Part 2 • Number & Operations → Decimals → Place Value: Part 1
36	Measurement	7	<i>No movies available at this time.</i>
37	Simple word problems	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Computation Vocabulary* • Number & Operations → Whole Numbers → Word Problems & Comparisons*
38	Basic equation	8	<ul style="list-style-type: none"> • Algebra → Equations & Graphing → Equation Basics • Algebra → Variables → Translating English to Algebra
39	Multiply by ten	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Multiply by 10, 100, 1000*
40	Bar graphs	10	<ul style="list-style-type: none"> • Data Analysis & Probability → Graphs → Graph Basics • Data Analysis & Probability → Graphs → Pictogram, Bar & Line* • Data Analysis & Probability → Graphs → Bar Graph on the Computer • Data Analysis & Probability → Graphs → Bar Graph Word Problem • Data Analysis & Probability → Graphs → Bar Graph Word Problem on the Computer
41	Basic equation	8	<ul style="list-style-type: none"> • Algebra → Equations & Graphing → Equation Basics • Algebra → Variables → Translating English to Algebra
42	Fraction visuals	6	<ul style="list-style-type: none"> • Number & Operations → Fractions → Fraction Visuals • Number & Operations → Fractions → Fraction Squares on the Computer* • Number & Operations → Fractions → Fraction Design: Explorations on the Computer
43	Place value	6	<ul style="list-style-type: none"> • Number & Operations → Whole Numbers → Whole Number Place Value on the Computer • Number & Operations → Decimals → Place Value: Part 1
44	Number sentences	6	<i>No videos available at this time</i>
45	Algebraic expression	8	<ul style="list-style-type: none"> • Algebra → Variables → Translating English to Variables • Algebra → Variables → COUNTDOWN Challenge: The Language of Algebra