# Math Teachers Press, Inc.

4850 Park Glen Road, Minneapolis, MN 55416
phone (800) 852-2435     fax (952) 546-7502

## FLORIDA SUNSHINE STATE STANDARDS CORRELATED TO
### *MOVING WITH MATH®-BY-TOPIC LEVEL D GRADE 7*

| | | Student Book | Skill Builders |
|---|---|---|---|
| | **ALGEBRA** | | |
| | **IDEA 1: Develop an understanding of and apply proportionality, including similarity.** | | |
| MA.7.A.1.1 | Distinguish between situations that are proportional or not proportional and use proportions to solve problems. | **DIII:** 31-35 **DIV:** 87, 88 | 26-2, 26-3 |
| MA.7.A.1.2 | Solve percent problems, including problems involving discounts, simple interest, taxes, tips and percents of increase or decrease. | **DIII:** 43, 49-60 | 27-2, 28-1, 28-2, 51-1, 51-2 |
| MA.7.A.1.3 | Solve problems involving similar figures. | **DIV:** 30, 90, 91 | 46-2, 53-1, 53-2 |
| MA.7.A.1.4 | Graph proportional relationships and identify the unit rate as the slope of the related linear function. | **DV:** 66, 67 | |
| MA.7.A.1.5 | Distinguish direct variation from other relationships, including inverse variation. | | |
| MA.7.A.1.6 | Apply proportionality to measurement in multiple contexts, including scale drawings and constant speed. | **DIII:** 36 **DIV:** 89 | 46-3 |
| | **GEOMETRY** | | |
| | **IDEA 2:  Develop an understanding of and use formulas to determine surface areas and volumes of three-dimensional shapes** | | |
| MA.7.G.2.1 | Justify and apply formulas for surface area and volume of pyramids, prisms, cylinders, and cones. | **DIV:** 77, 78 | 41-2, 41-3 |
| MA.7.G.2.2 | Use formulas to find surface areas and volume of three-dimensional composite shapes. | **DIV:** 76-79 | |
| | **ALGEBRA** | | |
| | **IDEA 3:  Develop an understanding of operations on all rational numbers and solving linear equations.** | | |
| MA.7.A.3.1 | Use and justify the rules for adding, subtracting, multiplying, dividing, and finding the absolute value of integers. | **DV:** 17-21, 25, 27, 29, 31 | 48-3, 58-1 to 58-5 |

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| MA.7.A.3.2 | Add, subtract, multiply, and divide integers, fractions, and terminating decimals, and perform exponential operations with rational bases and whole number exponents including solving problems in everyday contexts. | **DII:** 7, 8, 17, 18, 37-46, 79-81, 83, 89<br>**DV:** 17-21, 25, 27-38 | 12-4 to 12-6, 14-1, 14-2, 16-2, 21-1, 22-1, 23-1, 58-1 to 58-5 |
| MA.7.A.3.3 | Formulate and use different strategies to solve one-step and two-step linear equations, including equations with rational coefficients. | **DV:** 48-55 | 50-2 to 50-4 |
| MA.7.A.3.4 | Use the properties of equality to represent an equation in a different way and to show that two equations are equivalent in a given context. | **DV:** 46, 47 | 50-2 |
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| | **SUPPORTING IDEAS** | | |
| | **GEOMETRY AND MEASUREMENT** | | |
| MA.7.G.4.1 | Determine how changes in dimensions affect the perimeter, area, and volume of common geometric figures and apply these relationships to solve problems. | **DIV:** 74 | |
| MA.7.G.4.2 | Predict the results of transformations and draw transformed figures, with and without the coordinate plane. | **DIV:** 20 | 32-4 |
| MA.7.G.4.3 | Identify and plot ordered pairs in all four quadrants of the coordinate plane. | **DV:** 16, 67 | 49-2 |
| MA.7.G.4.4 | Compare, contrast, and convert units of measure between different measurement systems (US customary or metric (SI)), dimensions, and derived units to solve problems. | **DIV:** 60-63 | 59-2 |
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| | **NUMBER AND OPERATIONS** | | |
| MA.7.A.5.1 | Express rational numbers as terminating or repeating decimals. | **DII:** 70, 72-77 | 20-2, 20-3 |
| MA.7.A.5.2 | Solve non-routine problems by working backwards | | |
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| | **DATA ANALYSIS** | | |
| MA.7.S.6.1 | Evaluate the reasonableness of a sample to determine the appropriateness of generalizations made about the population. | | |
| MA.7.S.6.2 | Construct and analyze histograms, stem-and-leaf plots, and circle graphs. | **DIV:** 94 | |
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| | **PROBABILITY** | | |
| MA.7.P.7.1 | Determine the outcome of an experiment and predict which events are likely or unlikely, and if the experiment is fair or unfair. | **DIV:** 95 | |

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| MA.7.P.7.2 | Determine, compare, and make predictions based on experimental or theoretical probability of independent or dependent events. |  | **DIV:** 95, 96 | 47-3 |
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|  | **DI:** *Numeration and Whole Numbers* |  |  |  |
|  | **DII:** *Fractions and Decimals* |  |  |  |
|  | **DIII:** *Problem Solving with Percent* |  |  |  |
|  | **DIV:** *Geometry and Measurement* |  |  |  |
|  | **DV:** *Pre-Algebra* |  |  |  |
|  |  |  |  |  |
|  | Correlation: 20/22 = 91% |  |  |  |