Florida Adult Basic Education Mathematics Standards Matrix


## ipdae

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| $\begin{aligned} & \text { Geometric } \\ & \text { Reasoning } \\ & \text { (GR) } \end{aligned}$ | GR. 1 | MA.L1.GR. 1 Identify and analyze two- and three-dimensional figures based on their defining attributes | .GR. 1 Describe and identify relationships between lines and classify quadrilaterals | $\begin{aligned} & \text { MA.L.3.GR. 1a Draw, classity and measure } \\ & \text { angles. } \end{aligned}$ | MA.LL.GR. 1 a - Model and solve problems <br> involvint to-dimensional figures including <br> appolyng perius und <br> coordinate plane. | MA.L5.GR.1c Solve mathematical and real world problems involving postulates, -including the Pythagorean Theorem and ypes of angle relationships specific to triangles. Apply precise definigeometric terms, as needed. | MA.L6.GR.1a Apply concepts of density based on modeling situations. <br> MA.L6.GR.1b Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | MA.L3.GR.1b Classify two-dimensional figures and three-dimensional figures based on defining attributes. | MA.L4.GR.1b Solve problems involving twodimensional figures, including circles. |  |  |
|  |  |  |  |  | MA.L4.GR.1c Develop an understanding of the Pythagorean Theorem and angle relationships involving triangles. |  |  |
|  | GR. 2 |  | MA.L2.GR. 2 Solve problems involving the perimeter and area of rectangles. | MA.L3.GR. 2 Solve problems involving theperimeter and area of rectangles using perimeter and area of rectangles using fractional and decimal lengths. | MA.L4.GR. 2a Model and solve problems involving three-dimensional figures. MA.L.4.G. .2b Sove problems involving three dimensional figures, including right cirular cylinders. | MA.L5.GR.2a Solve mathematical and realworld problems involving the surface area of three dimensional figures limited to rightrectangular pyramids and prisms. | MA.L6.GR. 2 Solve mathematical and realworld problems involving the volume and limited to cylinders, cones and spheres and apply concepts of density based on volume in modeling situations |
|  |  |  |  |  | MA.L4.GR.2c Understand similarity and congruence using models and transformations | MA.L5.GR.2c Understand similarity and congruence using models and transformations |  |
|  | GR. 3 |  |  | MA.L3.GR. 3 Solve problems involving the volume of right rectangular prisms. |  |  |  |
|  | GR. 4 |  |  | MA.L3.GR. 4 Plot points and represent problems on the coordinate plane. |  |  |  |
| $\begin{aligned} & \text { Data } \\ & \text { Probability (DP) } \end{aligned}$ | DP. 1 | MA.L1.DP. 1 Collect, represent and interpret data using pictographs and tally marks. | MA.L2.DP. 1 Collect, represent and interpret numerical and categorical data. | MA.L3.DP. 1 Collect and represent data and data set. | MA.L4.DP.1a Summarize statistica distributions graphically and numerically | MA.L5.DP.1a Interpret the data distributions scale, different components and quantities in the various displays. |  |
|  |  |  |  |  | MA.L4.DP.1b Represent and interpret <br> numerical and categorical data. numerical and categorical data | MA.L5.DP. 1 b Given a set of data, select a appropriate methot to represent the data, depending on whether it is numerical or categorical data and on whether it is univariate or bivariate. |  |
|  |  |  |  |  | MA.L4.DP.1c Represent and investigate numerical bivariate data. | MA.L5.DP.1c Given a scatter plot with a line of fit and residuals, determine the strength and direction of the correlation. Interpret strength and direction within a real-world context. | MA.L6.DP.1c Fit a linear function to bivariate numerical data that suggests a linear association and interpret the slope and $y$ intercept of the model. Use the model to solve real-world problems in terms of the context of the data. |
|  | DP. 2 |  |  |  | MA.L.D.DP.2a Develop an understanding of probabaily. Find and compare experimental and theoreticical probabilities. MA.L4.DP.2b Represent and find probabilities | MA.L5.DP. 2 Develop an understanding of probability. Find and compare experimental probability. Find and compar and theoretical probabilities. |  |

