



**Standard 4: The student understands and applies the basic and advanced properties of patterns, functions, and algebra.**

4.1 Create and extend simple repeating and growing patterns

*With physical materials*

*With actions and sounds*

*With words*

*With symbols*

*With pictures*

4.2 Translate patterns from one material or symbol to another

*A pattern of colors to a pattern of letters*

4.3 Identify numerical patterns

*On a 100's chart*

4.4 Sort and classify real objects by one or two attributes

*Size*

*Shape*

*Color*

*Quantity*

*Function*

**Standard 5: The student understands and applies basic and advanced concepts of statistics and data analysis.**

5.1 Demonstrate an understanding of simple forms of data collection

*Recording class favorite*

*Tallying scores / votes*

5.2 Interpret basic displays of data

*Read information from tallies, picture graphs and bar graphs*

*Use basic language to describe displays of data: more, less, about the same*

**Standard 6: The student understands and applies basic and advanced concepts of probability.**

6.1 Demonstrate understanding that some events are certain and others are impossible

**Standard 7: The student understands and applies basic and advanced properties of the concepts of geometry.**

7.1 Demonstrate knowledge of basic characteristics of common plane figures

*Circles: round, no corners*

*Squares: four equal sides, four corners*

*Rectangles: two pairs of equal sides, four corners*

*Triangles: three sides and three corners*

7.2 Demonstrate understanding of the language of spatial sense

*Near, far*

*Close to, far from*

*Right, left*

*Forward, backward*

**Standard 8: The student understands and applies basic and advanced properties of the concepts of measurement.**

8.1 Demonstrate knowledge of basic uses of time

*Understand days are a measure of time*

*Recite days of the week in order*

*Tell time to the hour and half hour using an analog or digital clock.*

8.2 Identify US money

*Penny, nickel, dime, quarter, dollar*

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