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| AL COS Standards[www.alsde.edu](http://www.alsde.edu) | Month skills will be introduced  | Dates Taught | Date Tested | Resources | Vocabulary | % of Students who mastered standards | Names of Students with Non-Mastery |
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| 1. Demonstrate whole number relationships, including counting forward from a given number to 100 by ones, twos, fives, and tens; counting backwards from a given number; identifying position using ordinal numbers through 10th; and differentiating between odd and even numbers. * Using vocabulary, including *equal*, *not equal, all*, and *none*, to identify the quantity of sets of objects
 |  August |  |  Oct.(all except even or odd)Dec. |  2.510.110.210.310.411.411.512.112.212.412.512.6Math Boards |  EqualNot equalAllNoneCounting forwardCounting backwardOddEvenOrdinalNumeral |  |  |

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| 2. Demonstrate concepts of number sense of two-digit numbers by composing and decomposing numbers in multiple ways, identifying the value of each digit, determining a number when given the quantity of tens and ones, and determining a number that is 10 more or 10 less than a given number. Examples:  composing—recognizing that 3 and 5 and 7 is equal to 15, recognizing that 3 tens and 5 ones equals 35  decomposing—recognizing 17 as being represented by 8 and 5 and 4, recognizing 42 as  being represented by 4 tens and 2 ones numbers 10 more or 10 less—recognizing 53 as 10 more than 43, recognizing 7 as 10 less than 17 * Representing numbers with multiple models

 Example: models—base ten blocks, Number lines, linking cubes, straw bundles * Estimating the number of objects in sets that contain up to 100 objects

  | October |  | MarchMay |  10.110.210.310.410.510.611.111.211.311.412.318.218.318.429.1MathBoards | DifferenceDigitMoreLessValueQuantityEstimating(about how many) |  |  |

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| 3. Demonstrate addition and subtraction of one- and two-digit numbers by joining, separating, and comparing sets of objects in authentic situations. * Applying signs +, -, and = to actions of joining and separating sets
* Using three or more addends
* Using multiple strategies to add and subtract, including counting on, counting back, and using doubles
* Demonstrating the relationship between the operations of addition and subtraction

Example: addition and subtraction facts family * Demonstrating computational fluency of addition problems with sums to 10 and subtraction problems with differences and minuends of 10 or less
 |  August |  |  Oct.(1st bullet-sums no greater than 10)Dec.(all except 2nd bullet)MarchMay |  Chapters1, 2.1, 3, 4.4, 5, 6, 7, 8.4, 8.5, 13.1, 13.3, 13.5, 13.6, 14.5, 18, 19, 20 Math Board | PlusMinusAdditionSubtractionAddendsCounting onCounting backFact family  |  |  |
| 4. Determine the monetary value of individual coins and sets of like coins up to $1.00.  | August |  | Dec.MarchMay | 22.122,2Math Board |  Money CoinsPennyNickel, Dime QuarterDollarSymbols ₵ $Decimal . |  |  |

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| 5. Identify parts of a whole with two, three, or four equal parts.  | August |  | MarchMay | Chapter 21MathBoard | Whole, HalfThird, FourthDivide |  |  |
| 6. Construct the same pattern with a variety of representations. Examples: rhythmic—clap, snap, stomp; clap, snap, stomp; clap, snap, stomp pictorial—, , ; , , ; , , * Identifying patterns in the environment

Example: stripes on a shirt | August |  | Oct.Dec. | 12.5Chapter 17MathBoard | PatternSameDifferentRepeatingpattern |  |  |

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| 7. Recognize the identity and commutative properties of addition. Examples: identity—7 + 0 = 7, 0 + 7 = 7 commutative—3 + 4 = 4 + 3 | August |  | Dec.March |  1.314.2Teacher CreatedMath Board | Identity propertyof additionCommutative property of addition |  |  |
|  8. Describe attributes of two-dimensional (plane) geometric shapes, including quadrilaterals, pentagons, hexagons, heptagons, and octagons. Examples: identifying a pentagon as having five sides and five angles, identifying a trapezoid as a quadrilateral * Explaining how shapes are alike and different
* Recognizing shapes from different perspectives and orientations

 | March |  | May | 15.315.4Teacher CreatedMath Board | Plane, AttributesGeometric shapesDescribeQuadrilateralPentagonHexagonHeptagonOctagonSides, anglesTrapezoid, squareTriangle, circleRhombusRectangleparallelogram |  |  |

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| 9. Identify three-dimensional (solid) geometric figures, including cubes, spheres, cones, cylinders, and rectangular prisms. * Identifying two-dimensional shapes as faces of three-dimensional figures
* Locating three-dimensional figures in the environment
* Recognizing real-life examples of line symmetry

Example: recognizing a line of symmetry in a piece of folded paper | March |  | May | 5.115.215.316.4Teacher CreatedMath Board | Geometric figuresCube, sphereSolids, coneCylinder, facesRectangular prismSymmetryVertices2 dimensional3 dimensional |  |  |
| 10. Compare objects according to length, weight, or volume using a variety of nonstandard units. Examples: length—using pencils or paper clips of equal length to measure the top of a desk weight—determining which of two identical containers weighs more if one container is filled with water and one is filled with cotton balls volume—using spoonfuls of sand to determine which container holds more sand * Ordering objects according to length
 | August |  | Oct.(length)March |  26.126.226.426.628.1Teacher CreatedMath Board | Length, weightVolume, compareOrderingWeigh, longHeavyHow much will it contain or hold?capacity |  |  |

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| 11. Identify time to the hour and half hour using analog and digital clocks. . | August |  | Oct.(hour)March | Chapter 24Math Board | Clock, HourHalf hourAnalog, DigitalHour handMinute handThirtyo’clockhalf pastAM, PM  |  |  |
| 12. Locate days, dates, and months on a calendar. Examples: locating the third Thursday of the month on a calendar; recognizing that today is Tuesday, January 24th | August |  | Oct. |  25.1Math Board | Days, datesMonth, calendar24 hour day |  |  |
| 13. Summarize information from graphs, including pictographs, tally charts, bar graphs, or Venn diagrams.  | August |  | Oct. | Chapter 918.625.330.4 | Graph, pictographTally chart, dataBar graph, bottomVenn DiagramDiagram, tally mark |  |  |