

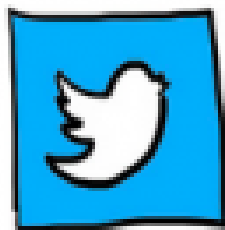


Mathematics Essential Learning Outcomes

Woodson Kindergarten Center

Austin Public Schools #492

Created by WKC Math Curriculum Committee [June 2016]



Contact Woodson Kindergarten Center!



507-460-1400



1601 4th St. SE, Austin, MN 55912



Jessica.cabeen@austin.k12.mn.us



#WoodsonK
#PackinTrain




Woodson Kindergarten Center

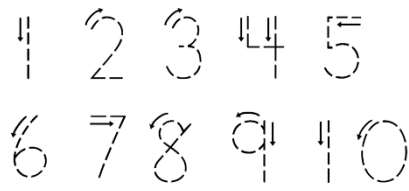
What will my child learn in Kindergarten?

By the end of Trimester 1 [September to November] Essential Learning Outcomes
based on the Minnesota Academic Standards











Understanding Numbers and Operations



I can recognize that a number can be used to represent how many objects are in a set from 1-10.

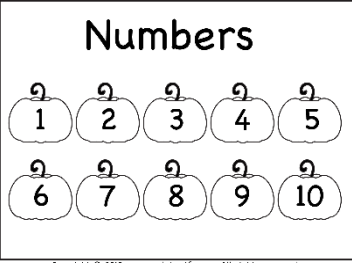


I can read, write, and represent numbers 1-10.


1 	2 	3 	4 	5 
6 	7 	8 	9 	10 

I can count with objects forwards to 10.

Numbers














I can count without objects forward to 10.



I can compare numbers with objects 0-10.

4	6	2	1
9	8	5	0
7	10	3	8
1	0	6	7

I can compare numbers without objects 0-10.

1 one 	2 two 	3 three 	4 four 
5 five 	6 six 	7 seven 	8 eight 
9 nine 	10 ten 		

I can order numbers with objects 0-10.

1	2	3		5
	7	8	9	10

I can order numbers without objects 0-10.

Understanding Geometry



square

I can recognize a square.



circle

I can recognize a circle.



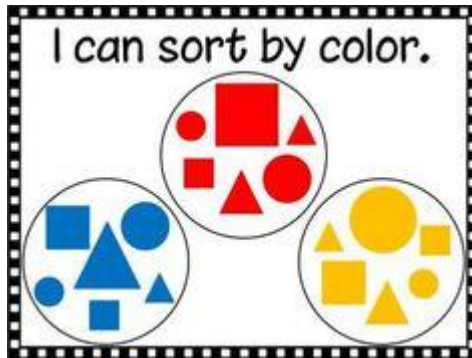
triangle

I can recognize a triangle.



rectangle

I can recognize a rectangle.



I can sort objects by color.

Understanding Measurement



I can use words to compare objects by length using words like taller/shorter or longer/shorter.

**By the end of Trimester 2 (December to February) Essential Learning Outcomes
based on the Minnesota Academic Standards**

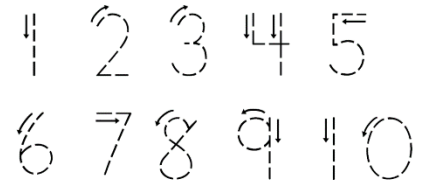
Understanding Numbers and Operations



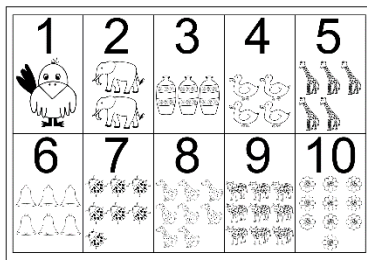
I can recognize that a number can be used to represent how many objects are in a set from 1-20.



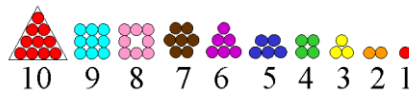
I can recognize that a number can be used to represent the position of an object in a sequence to find a missing number on a number line.



I can read, write, and represent numbers 1-20.



I can count with objects forwards to 20.



I can count with objects backwards from 10-1.

10 → 9 → 8 → 7 → 6 → 5 → 4 → 3 → 2 → 1

I can count without objects backwards from 10-1.

22, _____

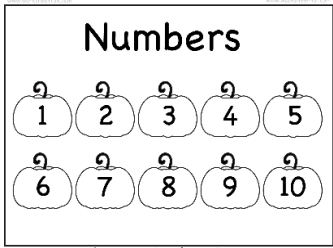
I can find a number 1 more of a given number.

_____, 29

I can find a number 1 less of a given number.

4	6	2	1
9	8	5	0
7	10	3	8
1	0	6	7

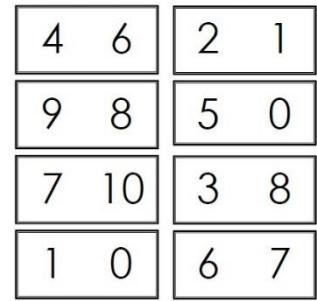
I can compare numbers with objects 0-20.



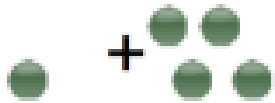
I can compare numbers without objects 0-20.



I can order numbers with objects 0-20.



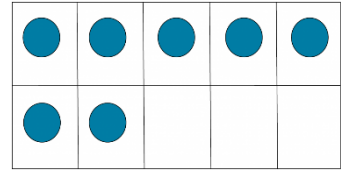
I can order numbers without objects 0-20.



I can use objects to find sums of numbers 0-10.



I can draw pictures to find sums of numbers 0-10.

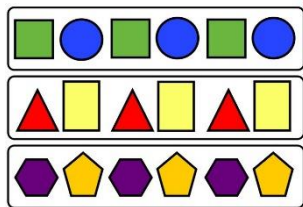


I can compose numbers up to 10 with objects.

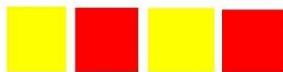


I can compose numbers up to 10 with pictures.

Understanding Algebraic Thinking



I can identify, complete, and extend simple patterns using shapes.



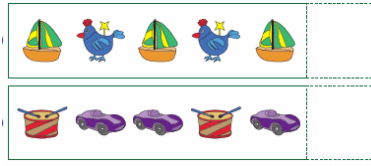
I can identify, complete, and extend simple patterns using color.



I can identify, complete, and extend simple patterns using size.

1	2	3	1	___	3	1
1	2	2	2	___	2	1 2 2
1	1	3	3	___	1	3 3

I can identify, complete, and extend simple patterns using numbers.



I can identify, complete, and extend simple patterns using sounds.

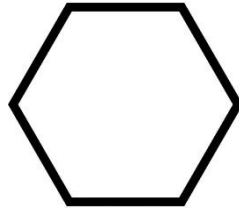


I can identify, complete, and extend simple patterns using movements.

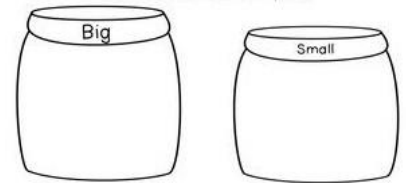
Understanding Geometry



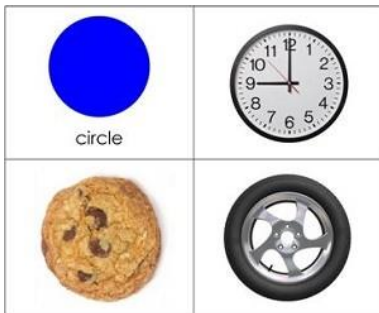
I can recognize trapezoids.



I can recognize hexagons.



I can sort objects by size.



I can use basic shapes and spatial reasoning to model objects in the real-world.

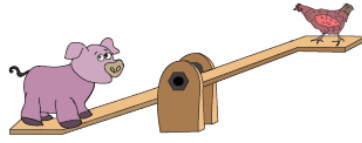


I can sort objects by shape.

Understanding Measurement



I can use words to compare objects by size using words like bigger/smaller.



I can use words to compare objects by weight using words like heavier/lighter.

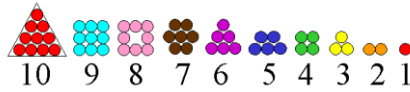
By the end of **Trimester 3 [March to May]** Essential Learning Outcomes

based on the Minnesota Academic Standards

Understanding Numbers and Operations



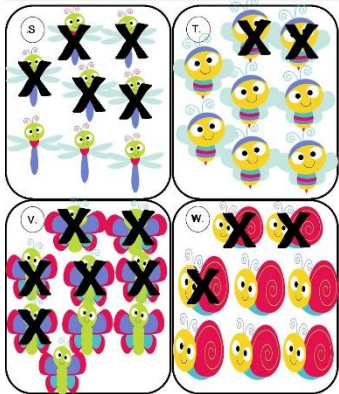
I can read, write, and represent numbers 1-31.



I can count with objects backwards from 20-1.

10 → 9 → 8 → 7 → 6 → 5 → 4 → 3 → 2 → 1

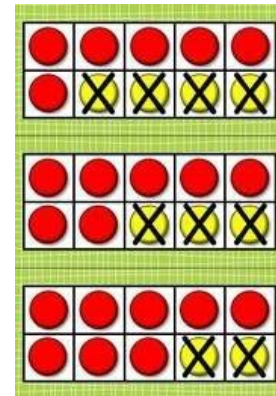
I can count without objects backwards from 20-1.



I can use objects to find differences of numbers 0-10.



I can draw pictures to find differences of numbers 0-10.

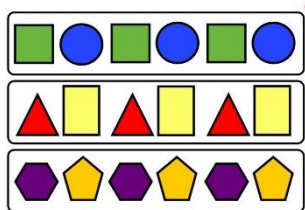


I can decompose [break down] numbers up to 10 with objects.



I can decompose [break down] numbers up to 10 with pictures.

Understanding Algebraic Thinking



I can create simple patterns using shapes.



I can create simple patterns using color.



I can create simple patterns using size.

1	2	3	1	___	3	1
1	2	2	2	___	2	1
1	1	3	3	___	1	3

I can create simple patterns using numbers.



I can create simple patterns using sounds.



I can create simple patterns using movements.

Understanding Geometry



I can recognize cubes.



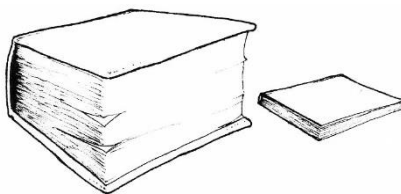
I can recognize cones.



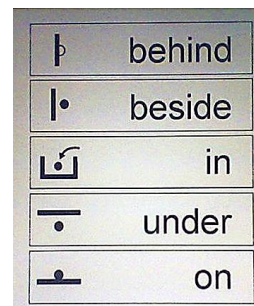
I can recognize cylinders.



I can recognize spheres.

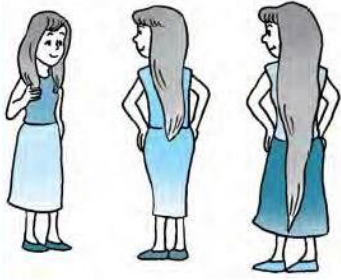


I can sort objects by thickness.



I can use words to compare objects by position.

Understanding Measurement



I can order 2 or 3 objects by length using words like shorter/shortest/longer/longest.



I can order 2 or 3 objects by weight using lighter/lightest/heavier/heaviest.