Number Sense

NK.1.2b Name and recognize numbers to: ______________(30)

0 6 1 4 5 3 9 8 7
2 10 12 15 19 11 16 13 18
14 17 20 25 22 29 21 23 24
27 26 28 30

NK.1.2c Match quantity to symbols to 30.

1. 2. 3.

4. 5. 6.

8. 9. 10.

11.
NK.1.2c  Match quantity to symbols to 30. (continued)

12. [Images of quantities to match]

13. [Images of quantities to match]

14. [Images of quantities to match]

15. [Images of quantities to match]

16. [Images of quantities to match]

17. [Images of quantities to match]

18. [Images of quantities to match]

19. [Images of quantities to match]
NK.1.2c  Match quantity to symbols to 30. (continued)

20. ________________  21. ________________
**Math Worksheet**

| Name__________________________________ | Date ________________ |

NK.1.2d Write numerals to ________ (30).

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

NK.2.1a Use manipulatives to perform basic addition of numbers under 10.

1. ![Image](image1.png) + ![Image](image2.png) = 

2. ![Image](image3.png) + ![Image](image4.png) = 

3. ![Image](image5.png) + ![Image](image6.png) = 

4. ![Image](image7.png) + ![Image](image8.png) = 

5. ![Image](image9.png) + ![Image](image10.png) =
NK.2.1a  Use manipulatives to perform basic addition of numbers under 10. (continued)

6.  

7.  

8.  

9.  

10.  

Math Worksheet

Name__________________________________  Date ___________________
NK.2.1b Use manipulatives to perform basic subtraction of numbers under 10.

1. 3 − 1 = _______
2. 5 − 3 = _______
3. \[ \begin{array}{c}
\text{2} \\
\text{-2}
\end{array} \]
4. \[ \begin{array}{c}
\text{4} \\
\text{-3}
\end{array} \]
5. \[ \begin{array}{c}
\text{5} \\
\text{-1}
\end{array} \]
6. [Diagram]
7. [Diagram]
NK.2.1b Use manipulatives to perform basic subtraction of numbers under 10. (continued)

8. 

\[
\begin{array}{c}
\times \\
\times \\
\times \\
\times \\
\end{array} 
\begin{array}{c}
\times \\
\times \\
\times \\
\times \\
\end{array} 
\begin{array}{c}
\box{} \\
\box{} \\
\box{} \\
\box{} \\
\end{array} 
\begin{array}{c}
\box{} \\
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\box{} \\
\end{array} 
\begin{array}{c}
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\end{array} 
\begin{array}{c}
\box{} \\
\box{} \\
\box{} \\
\box{} \\
\end{array} 
\begin{array}{c}
\times \\
\times \\
\times \\
\times \\
\end{array} 
\end{array} 
\]

9. 

\[
\begin{array}{c}
\times \\
\times \\
\times \\
\times \\
\end{array} 
\begin{array}{c}
\times \\
\times \\
\times \\
\times \\
\end{array} 
\begin{array}{c}
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\box{} \\
\end{array} 
\begin{array}{c}
\times \\
\times \\
\times \\
\times \\
\end{array} 
\end{array} 
\]

10. 

\[
\begin{array}{c}
\times \\
\times \\
\times \\
\times \\
\end{array} 
\begin{array}{c}
\times \\
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\times \\
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\begin{array}{c}
\times \\
\times \\
\times \\
\times \\
\end{array} 
\end{array} 
\]

Algebra and Functions

AK.1.1 Sort and classify by common attributes and describes categories.

- Given attribute blocks, student can sort by:

Color ___________  Shape_____________  Size_____________
Measurement and Geometry

MK.1.1 Compare length, weight, and capacity of objects using direct comparisons with reference objects.

1. Circle the button that is smallest.

2. Circle the shape that is the same as the one on the right.

3. Color in the circle that is the same size as the one on the left.

4. Circle the vase that will hold the most water.

5. Circle the star that is largest.
MK.1.1 Compare length, weight, and capacity of objects using direct comparisons with reference objects. (continued)

6. The tow truck is __________ paperclips wide.


8. Circle the longer one.

9. What is the height of the plant? __________ paperclips

10. Circle the shorter one.
MK.1.2 Demonstrate an understanding of concepts of time and tools that measure time.

- **Note:** Teacher can read and write in answers and/or record on checklist.

1. What do you use to tell time? ____________________________
2. What do you use to check the day of the week? ________________
3. What time of day do you get up and go to school? ______________
4. What time of day do you get home from school? ________________
5. What time of day do you eat dinner? _________________________
6. What do people wear on their wrist to tell time? ________________
7. What would you use to check what day of the month it is? __________
8. What do you do in the morning? ______________________________
9. What do you do in the afternoon? _____________________________
10. What do you do in the evening/night time? ____________________

MK.1.4 Identify time to the hour.
MK.2.1 Name the seven basic shapes.

Statistics Data, Analysis and Probability

SK.1.1 Given a question on real life scenario and data collected through class activity, student will record data on a pictograph.

- **Note:** can use class activity or assessment graphs below.

**Graph the eye color of your classmates.**

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**Graph the pets of your classmates.**

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SK.1.2 Identify, describe and extend simple patterns by referring to their shapes, sizes, or colors.

Directions: Fill in the oval bubble next to the object that finishes the pattern.

1. [Image of pumpkins]
   - [Image of pumpkin]
   - [Image of pumpkin]
   - [Image of pumpkin]

2. [Image of circles and dots]
   - [Image of black circle]
   - [Image of black circle]
   - [Image of black circle]

3. [Image of spoons and plates]
   - [Image of spoon]
   - [Image of spoon]
   - [Image of plate]

4. [Image of striped and solid balls]
   - [Image of striped ball]
   - [Image of solid ball]
   - [Image of striped ball]

5. [Image of kitchen items]
   - [Image of tray]
   - [Image of kettle]
   - [Image of mug]
Mathematical Reasoning

RK.2.1  Student can explain and make accurate solutions to problems using concrete manipulatives and/or pictorial representations.

Directions: Fill in the for the correct answer.

1. Which number sentence shows the addition story in the picture?

   \[ 3 + 3 = 6 \]  \[ 4 + 4 = 8 \]  \[ 3 + 4 = 7 \]

   \[ \bigcirc \]  \[ \bigcirc \]  \[ \bigcirc \]

2. Which number sentence shows the addition story in the picture?

   \[ 5 + 5 = 10 \]  \[ 4 + 6 = 10 \]  \[ 2 + 8 = 10 \]

   \[ \bigcirc \]  \[ \bigcirc \]  \[ \bigcirc \]

3. Which pictured addition story could you write the number sentence below?

   \[ 4 + 2 = 6 \]
RK.2.1 Student can explain and make accurate solutions to problems using concrete manipulatives and/or pictorial representations. (continued)

Directions: Fill in the correct answer.

4. Which number sentence shows the subtraction story in the picture?

\[
\begin{align*}
2 - 2 &= 0 \\
4 - 2 &= 2 \\
4 - 3 &= 1
\end{align*}
\]

5. For which pictured addition story could you write the number sentence below?

\[5 - 2 = 3\]
R K.2.2 Make precise calculations and check the validity of the results in the context of the problems.

Directions: Teacher can read problems, but may not assist in student’s calculations. Use only one Form (or set of questions) per testing session.

Form A

1. Alex has 1 dog and 2 cats. How many pets does Alex have?

2. Joseph has 1 guinea pig, 3 fish, and 1 dog. How many pets does Joseph have?

3. Who has more pets, Alex or Joseph?

4. How many more pets does ___________ have?

5. How many pets do they have all together?

Form B

1. Cindy has 10 apple stickers. She gives 4 stickers away to her friends. How many stickers does she have left?

2. Tatania has 8 star stickers. She gives 4 stickers to her friends. How many stickers does she have left?

3. Are there more apple stickers left or more star stickers left?

4. Who has more stickers left, Tatania or Cindy?

5. Tatania and Cindy decide to put the left over apple and star stickers together in a sticker book. How many stickers will they have all together?