**I can represent numbers using pictures**

|  |
| --- |
| **Lesson Plan Title**  I can represent numbers using pictures. |
| **Lesson Summary**  Students will be expected to use pictures to represent numbers.  \*Please note I use this lesson throughout the year adapting the number on the sheet |
| **Curriculum Outcomes**  N04- Students will be expected to represent and partition numbers to 100  Performance Indicator N04.04-Represent a given number pictorally |
| **Assessment Of Learning or Assessment For Learning**  Observation, Conversation, Product  Observations   * Daily checklist- Can students represent a given number using a picture?   Product   * Can students represent the given number pictorially on the sheet below? |
| **Communication/Vocabulary**   * Picture * Circle, square, triangle * Pictorally |
| **Technology**   * Smart Note Book (for smartboard) * iPads if necessary |
| **Materials**   * I can represent numbers using pictures (see sheet below) * IPads if necessary |
| **Mental Mathematics**  Review counting forwards by 2’s, 5’s, and 10’s  Review counting backwards by 5’s. When counting backwards use a finger pointer and beep beep (like a truck backing up) have the students say stop when you reach the number you need ie: 90 (they all say stop then say 90, then beep beep until 85 then they say stop and say the number 85). Eventually I let the helper of the day be the pointer. (apply this to counting backwards by 10’s and 2’s). |
| **Time To Teach**  On the Smart Notebook/word/whiteboard draw a picture of 11 circles. Ask students how many circles there are. Then ask how we could partition the number. Reminding students that partition means breaking a number into two or more parts.  (I have done this with ocean scenes, gardens, etc. that the students draw on the smartboard/white board)  **Time to Practice**  Provide students with the work sheet I can represent a number using a picture. This sheet is adaptable to using different shapes, or ocean scenes etc.  **Time to Share**  Have students share their work in small groups. The expectations should be that they share their number and double check their tallies to make sure their work is accurate.  **Tech Integration**  Students could use a white board app (there are many free ones) on the I pad and represent their number with pictures.  http://a3.mzstatic.com/us/r30/Purple4/v4/10/df/b6/10dfb69f-bd9a-665b-86c1-da019132622e/mzl.hoityxiw.png  For More Information: <https://itunes.apple.com/ca/app/showme-interactive-whiteboard/id445066279?mt=8>  Students could use the picCollage app to represent a number- just be sure they include the number and the pictures partitioned somehow.  https://lh3.ggpht.com/w3xg422GXBIsmrmbj3qlpsFZnzMYHYNt_4x8TQLPVqUOKLo85TZFgvWZqzutynoh4g=w300  For More Information: <http://pic-collage.com/> |
| **Differentiation**   * A guided math lesson for students who do not demonstrate they understand how to represent numbers using pictures. * For students who finish quickly they should represent their picture using partitioning. |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I can Represent Numbers using Pictures

|  |
| --- |
| In the space below represent the number 46 using pictures |
|  |