**I can represent numbers using pictures**

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| **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, ProductObservations* Daily checklist- Can students represent a given number using a picture?

Product* Can students represent the given number pictorially on the sheet below?
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| **Communication/Vocabulary*** Picture
* Circle, square, triangle
* Pictorally
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| **Technology*** Smart Note Book (for smartboard)
* iPads if necessary
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| **Materials*** I can represent numbers using pictures (see sheet below)
* IPads if necessary
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| **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.pngFor 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=w300For 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.
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Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I can Represent Numbers using Pictures

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