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Handwriting practice area consisting of multiple sets of three horizontal dashed lines.







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Theme: Preserving our natural resources

Title of activity: Collecting the cones of pine - trees.

Activity

Activity Objectives:

- Make calculations.
- Use the four arithmetic operations.

Activity steps:

- Motivation:

The air and the soil are dry during October and November, which helps the extension of forest fires. Grade 3 students decide to collect all the pinecones and pins of the pine - trees on the ground of the pine - forest next to their school to reduce the fire dangers.

- Problem-situation:

To transport the cones of the pine - trees to the school, students put them in bags that can hold 24 pinecones.

The following table shows the number of bags collected by each class:

class	Number of bags
A	7
B	10
C	20

To transport the pins of the pine - trees , the students put them inside 14 identical bags weighing $2\frac{1}{2}$ kg each.



1- The students work in groups of 2 to answer the following questions. They are going to use 2 papers: one for research operations (scratch paper), and the second one is a big white paper for writing their steps of research with their results, to be orally expressed later.

a- How many pinecones did section A students collect?

b- How many pinecones did section B students collect?

c- How many pinecones are there in 17 bags ?

d- How many pinecones are there in 27 bags?

2- Being interested in this collection, students bring 43 empty bags on the next day to fill them with pinecones, 12 in each bag. How many pinecones should they collect to fill these bags?

3- What is the mass (weight) of pine pins they have collected?

❖ A whole group discussion is held in the class room.





Activity Exploitation

– Extend:

In mathematics: the solids (cones)

In science: the fire, (why trees burn very fast in autumn?), the climates, the conifers (fruits, trees of ever green leaves, how to plant a pine - tree.....)

In civics: the responsibility of each citizen toward his environment, the study of forest laws' protection (in different countries....)

In geography: repartition of green areas in the world (in form of tourism), desertification....

In arts: decorate the pinecones.

