

REINFORCEMENT ACTIVITIES

Subject: Mathematics

Grade: 7°

Period: II

Year: 2019

SUGGESTION

Each period, the teacher formulates a problematizing question or situation related to the learning goals that help the student to train him/herself and get ready to prove his/her knowledge and proficiency levels in each area. This process is scheduled for the week from May 20th to 24th. The student should consult the bibliographic references cited by the teacher and turn in three academic products for the period written with basic standards to give account for the skills acquired.

1. Problematizing question:

How the students are able to work with the rational numbers and their representations in diverse scenarios of their living?

2. Learning Goals

General objective:

Identify and apply the rational numbers and their properties to find solutions for geometry and statistics using the creativity, the analysis and reasoning.

Specific objectives:

- To identify the basic features of the rational numbers set.
- To solve problems with rational numbers arguing step for step.
- To outline and to solve equations using effective strategies.
- To identify and to analyze group of data starting from statistic notions

3. Academic products

- 1) A worm advances $\frac{3}{4}$ on its first run, but then returns $\frac{1}{3}$, then advances $\frac{5}{3}$, to finish its run on $\frac{9}{4}$. Place on the number line each of the positions of the worm.
- 2) Of the 600 bottles of a cellar, the third part contains $\frac{3}{4}$ of a liter, the fifth part is $\frac{7}{10}$ liter and the rest are liter, how many liters in total are there in the cellar?
- 3) An inheritance is shared between 3 children, 2 nephews and 3 cousins. The children receive a total of $\frac{5}{8}$ of the inheritance, the nephews receive half of the rest and the cousins receive the other half. What fraction does each son, nephew and cousin receive?

- 4) Next, the position of three thrown dice is shown. How many add up the three faces that are in contact with the floor?



- 5) Determine the value of each figure:

$$\begin{array}{rcl}
 \square & \times & \triangle \div \overline{\bigcirc} = 6 \\
 - & & \times & + \\
 [\text{octagon} + \text{hexagon}] & \times & \text{pentagon} = 24 \\
 + & + & \times \\
 \text{diamond} & \times & \text{oval} + \text{trapezoid} = 25 \\
 \underline{\quad} & \underline{\quad} & \underline{\quad} \\
 10 & 23 & 8
 \end{array}$$

4. Bibliographic references

This information could be found in:

- **Website:** <https://www.mathabc.com>
- **Website:** <http://www.mathgametime.com>
- **Website:** <http://mathantics.com/>