



**UNITED NATIONS COLLEGE I.E.D.
PREPARATORY WORKSHOP
III TRIMESTER - 2024
MATHEMATICS 501°**

TEACHER: PATRICIA OLAVE

This workshop must be copied and solved in the mathematics notebook, as a requirement to present the competency-based test.

DELIVERY DATE: November 12th

The workshop must take place in the math notebook and be presented on the day



Decimal Numbers

Decimal numbers are those that help us express intermediate quantities between one number and another¹. Each decimal number has an integer part and a decimal part that is separated by a comma². Some examples of decimal numbers are:

Tenths: 0.1, 0.2, 0.3, ...

Hundredths: 0.01, 0.02, 0.03, ...

Thousandths: 0.001, 0.002, 0.003, ...

development of problems taking into account the following steps






1. From a 20-meter roll of wire, 1.75 meters were cut; 4.15 meters and 6 meters. How many meters were left?
2. The road to a nearby city is 851.5 km long. One group wants to tour it in 30 days. When they have been 10 days they have traveled 274.9 km. How long will they have to travel each day of those who remain?
3. A fence is 45 m long and is divided into 8 sections. How long is each section?
4. There are 240 boxes with bags of coffee each. If each bag weighs 0.62 kg, how much does the coffee weigh in total?
5. Santiago has 25 meters of rope to pack 6 identical boxes How much rope will he use in each box?
6. Rosita goes to her school on foot, if the school is 1 km from her home and 70, 37 meters away, how many meters do you have left to go?
7. The corridor of my school measures 15.85 m. If I have traveled 8.75 m, how many meters do I have left to travel?
8. Andrés has bought a roll of 11.89 meters of electrical tape, if he already has another roll of 5.6 meters, how many meters do you have now in total?

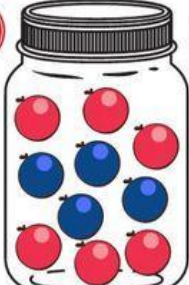

9. Alejandro and his father collected 2 sacks of potatoes, the first weighed 18.9 kg and the second 28.75 kg. How many kilograms does one sack weigh more than the other?
10. A cyclist has covered 145.8 km in one stage, 136.65 km in another stage and 162.62 in a third stage. How many kilometers do you have left to cover if the race is 1,000 kilometers?
11. 12 y 13 Express probabilities in fractionals


ODDS



Read each case and choose the correct probability:


1  What is the probability of drawing a green ball?
 _____ 

Answer: The probability of drawing a ball _____
 green  is _____

2  What is the probability of drawing a blue ball?
 _____ 

Answer: The probability of drawing a blue ball _____
 _____  is _____

3  What is the probability of drawing a yellow ball?
 _____ 

Answer: _____
 The probability of drawing a yellow ball _____
 _____  is _____

PROF. : Y. S. LIVEWORKSHEETS

14 – 15 Interpret the information in the table and pie chart
 Solve the activity

Name: _____

Date: _____

Analyze Pie Charts

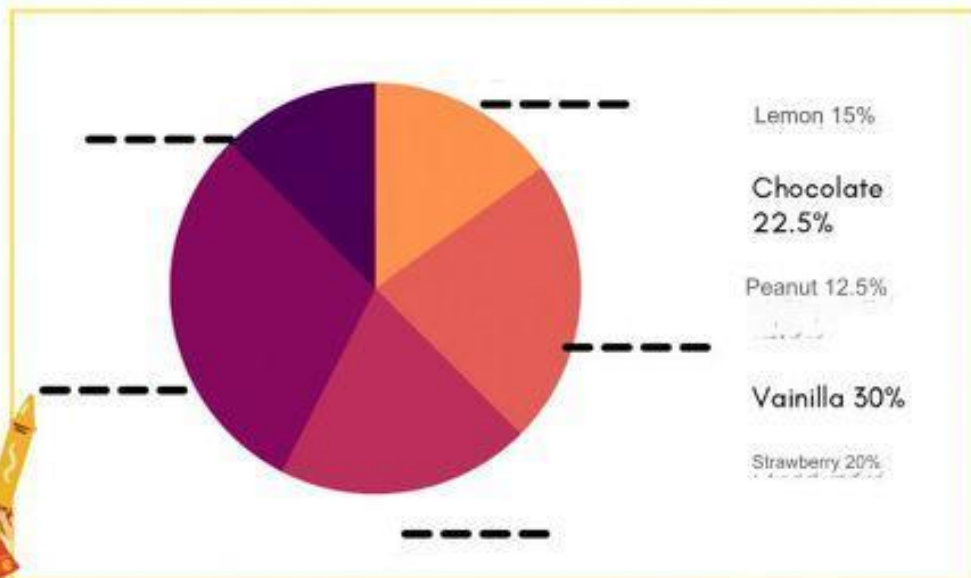
A survey was conducted among 80 children about which ice cream flavor the children in 1st grade preferred. Complete the table with the data already entered.



Data	Absolute frequency	Relative frequency	Percentage	Degrees
Lemon	12			
Chocolate	18			
Peanut	10			
Vainilla	24			
Strawberry	16			



According to the above, relate the data corresponding to the circular graph.



16, 17, 18, 19, 20, 21 Convert decimals to fractions

Name: _____

THE PROFESSOR

Convert decimals to fractions

Perform the following conversions

0.25 =

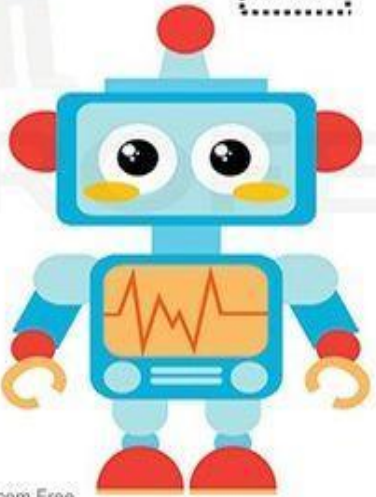
0.125 =

0.6 =

0.75 =

0.4 =

0.9 =



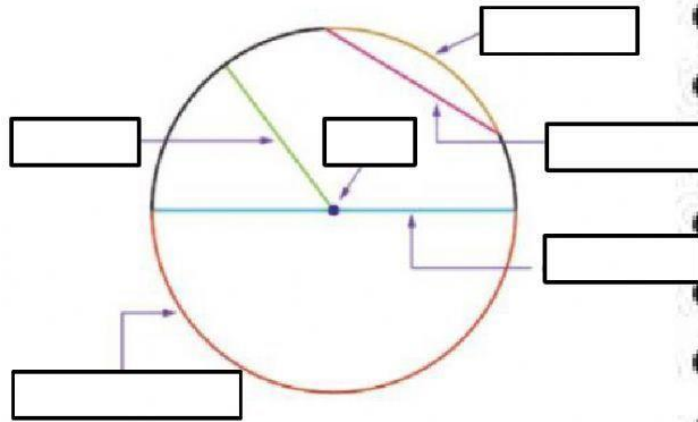
www.elprofe20.com Free Material

22. Develop the activity by locating the elements

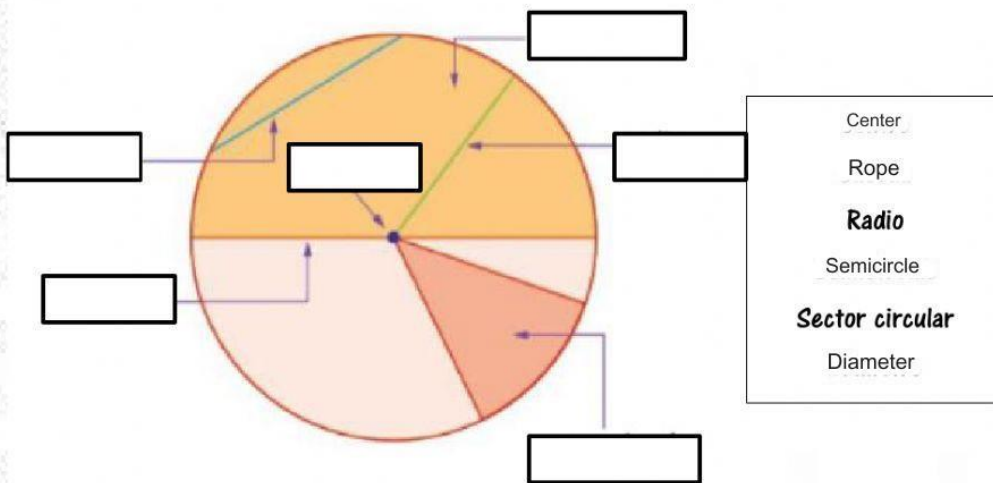
THE CIRCUMFERENCE AND THE CIRCLE

The elements of the:

- Diameter
- Center
- Bow
- Rope
- Radio**
- Semicircumference



The elements of:



23. Marcos practices long jump. yesterday he jumped 5 meters and 2 decimeters and today he jumped 4 meters and 93 centimeters. How many centimeters did he jump yesterday more than today?

24. A cake weighs 600 grams, if I cut it into four equal parts and take 3 How many grams will what I take weigh?

25. In a row of five ants, each one measures 8 millimeters. How many millimeters is the row?

How many centimeters is it?

26. A delivery truck has traveled 15 kilometers on Monday, 1500 decimeters on Tuesday and 15,000 meters on Wednesday. Which day has traveled the longest in total?

27. Luis made an excursion of 20 km 75 hm 75 dam 250 m in three stages. In the first he traveled 5 km 5 hm, and in the second 1 km 50 dam more than in the previous one.

28. Two sisters went to buy a jump rope. Each one went to a different store.

The older sister bought a rope that was 223 cm long. And the little sister one that was 25 dm long.

29. In a florist they have to set up 28 floral centerpieces. In each one there will be 12 white tulips and 6 pink tulips, how many tulips do you need in total in the florist?

30. Martin earns \$24,732,000 a year. If you earn the same amount each month, how much money do you earn per month?