



**UNITED NATIONS COLLEGE I.E.D.  
PREPARATORY WORKSHOP  
III TRIMESTER - 2024  
MATHEMATICS 3°**

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

**DELIVERY DATE: November 12th**

**Read carefully and answer the questions according to what you saw in this second quarter.**

A group of parents went to buy their children's supplies list.

FOOD	PRICE
MILK	1 ltr 4.200
BREAD	c/u \$ 500
BANANA	\$500
EGG	\$ 700
APPLE	\$2.000
COOK	c/u \$2.000

1. How much do 4 apples cost?
2. If you buy 3 liters of milk, how much will it cost?
3. You buy 2 loaves of bread and 1 dozen eggs. What is the total cost?
4. If you have \$3.000 and buy 3 bananas, how much money will you have left?
5. You had 5 liters of milk and used 2. How much is left?
6. If a pack of cookies contains 12 cookies and you buy 4 packs, how many cookies do you have in total?
7. In a store, each notebook costs \$4.500. If you buy 5 notebooks, how much will you spend in total?
8. A farmer has 25 apple trees and each tree produces 30 apples. How many apples does he produce in total?
9. In a library, there are 14 shelves and each shelf has 22 books. How many books are there in total?
10. You have 48 cookies and want to share them among 6 friends. How many cookies will each one get?
11. If you have  $\frac{3}{8}$  of a pizza and you eat  $\frac{2}{8}$  more, how much pizza do you have in total?
12. You have  $\frac{1}{4}$  of a cake and your friend gives you  $\frac{1}{4}$  more. How much cake do you have now?
13. If you have  $\frac{1}{3}$  of a chocolate bar and you receive  $\frac{1}{6}$  more, how much chocolate do you have in total?
14. If you have  $\frac{2}{5}$  of a cake and your friend gives you  $\frac{1}{3}$  of the same cake, how much cake do you have in total?
15. You have  $\frac{3}{4}$  of a pizza and you order  $\frac{1}{2}$  more. How much pizza do you have now?
16. If you have  $\frac{5}{6}$  of a chocolate bar and you eat  $\frac{1}{2}$  of it, how much chocolate do you have left?

Title: Survey on Hobbies

A group of students conducted a survey to find out the favorite hobbies of 60 people. They recorded their answers in the table below:

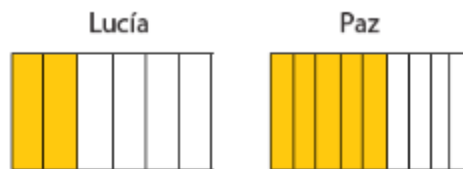
PERSON	HOBBY
12	Reading
15	Playing soccer
7	Paiting
16	Playing video games
10	Gardening

Answer the following questions according to the previous survey

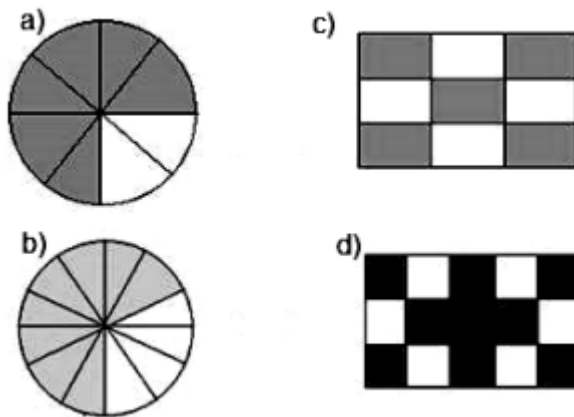
17. What is the favorite hobby of Person ?
18. How many people enjoy playing soccer?
19. Based on the table, which hobby seems to be the least popular?
20. If one more person was surveyed and they liked reading, how many people would then prefer reading?
21. If you could add another hobby to the survey, what would it be and why?
22. Create a bar graph to represent the number of people who enjoy each hobby listed in the table.

Read the following situation and answer the questions:

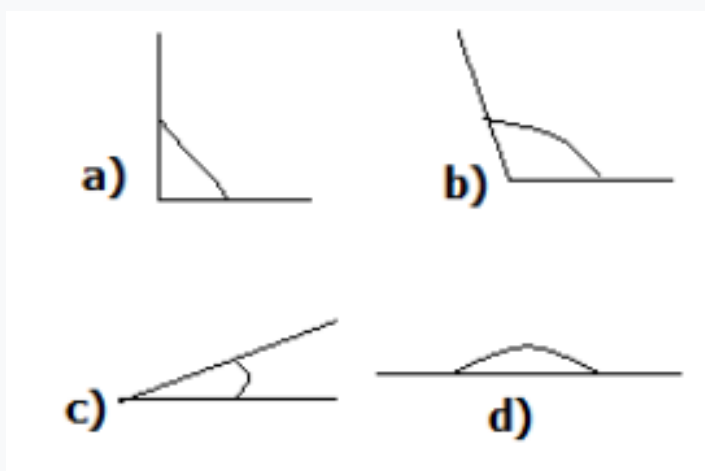
Lucia and Paz bought two sheets of cardboard of the same size. Lucia divided it into 6 equal parts and used  $\frac{2}{6}$ . Paz divided it into 9 equal parts and used  $\frac{5}{9}$ . Look at the following graph and answer:



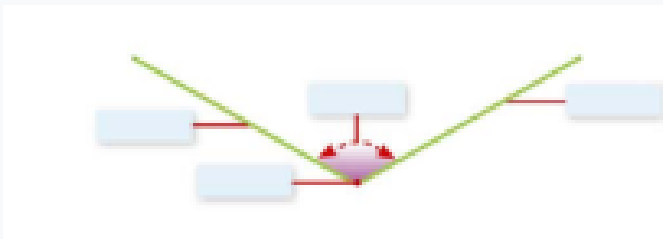
23. What fraction corresponds to what Lucia did not use?
24. What fraction corresponds to what I do not use Paz?
25. Write the fraction represented in each case.



26. Write the name of the following angles.



27. Write the name of each element.

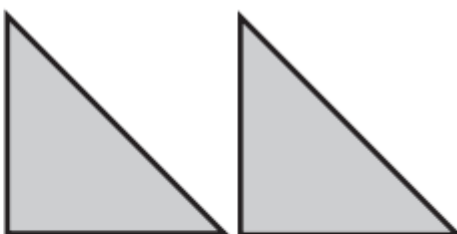


28. A teacher proposes the game of identifying the figure that can be built from some chips, putting one next to the other. With which of the following tiles can you build a square figure?

A.



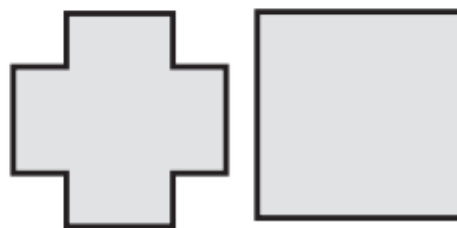
B.



C.

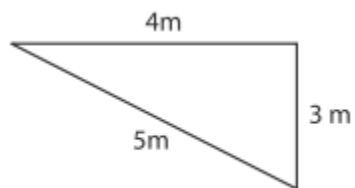


D.

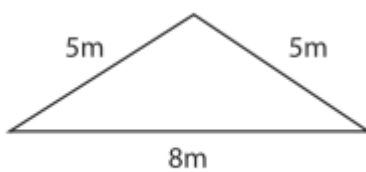


29. Write the name of the following triangles according to the measurements of their sides.

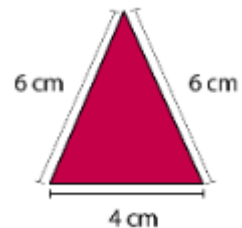
a.



b.



c.



30. Match each number with the correct decomposition.

3.542

7.895

4.452

1.879

6.577

4UM + 4C + 5D + 2U

1000 + 800 + 70 + 9

3UM + 5C + 4D + 2U

6UM + 5C + 7D + 7U

7000 + 800 + 90 + 5