

## UNITED NATIONS COLLEGE I.E.D. PREPARATORY WORKSHOP III TRIMESTER - 2024 MATHEMATICS 601°

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

## **DELIVERY DATE: November 12th**

3. Solve these operations.	
35.59 + 234 + 0.467 + 345.8 = 234.5 - 155.69 =	
45,689, 34 + 9,687, 46 = 28.09 - 4.9892 =	
<ol> <li>Draw the following angles         <ul> <li>a- Right Angle b-Acute Angle c-Obtuse Angle d-Plain Angle</li> </ul> </li> </ol>	
5. Calculate: 12% of 8,700 = 4/5 of 1,200 aves = 6% of 54,600 =	
2/3 of 780 rabbits = 3% of 6,351 folios =	
4/7 of 763 cats =	
6. Express in seconds. 40° 54' = seconds	
230° 56' 35¨ =segundos	
460° 27' 38 <sup></sup> =segundos	
7. Perform these operations. 2,345.376 x 0.708 = 78,956 / 56 =	
34,078.5 x 59.3 = 609,834 / 394 =	
8. Luisa travels 47 kilometers every day with her bicycle. How many kilometers will you cover in a week? How many days will it take to travel 728.5 kilometers?	
9. Fill in the missing terms. 8,015 = 8,745 3,240 / = 72	
6,655 x = 214,340 + 2,684 = 57,720	
10. Complete.	
- The triangle that has all the sides equal is called a	
- Two straight lines that never intersect are	 lines.
- The triangle of two equal sides and the other unequal side is called	

11. Perform the	e following operations. 9,279 x 807 =	_ 6,456,098 / 324 =	276,908 x 634 =	
12. A well is 8 i How many met	meters deep. 1/5 of the w ers are empty?	ell is covered by mud and 2/	5 has water.	
13. In a market to transport the	they sell 120 tons of fruit fruit sold in 5 days?	every day. How many 4,000	)-kilo trucks do you need?	
14. Find in M.C	.M. and the m.c.m. of 24, M.C.M. =	36 and 54. m.c.m. =		
15. Write four r	nultiples of each number.			
	7 =, 15 =, 27 =,	,,	,,,	
16. Find all the	divisors of these number 36 = 28 =	s58 = 30 =		
17. Find:	8/3 of 2,430 =	4/5 of 3,700 = _		
	5/2 of 4,500 =	2/4 of 2,400 =		
18. Calcular: 450,000 / 25 = 82 + 53 = 5.6 x 0.76 =				
	(135 / 15) – 6 + 18 = _	4.106 /18.2 =	1.287 x 3.049 =	
19. Simplify the	ese sections. 135 / 90 = 460 / 148 =			
20. Place pare	ntheses in the right place $4 \times 7 - 3 = 16 2 \times 5$	so that these equalities are t 2 – 20 = 80 7 + 8 – 5 x 22 =	rue. 220 24 / 6 + 3 x 5 = 19	
21. Resolve:	23.15 x 6.7 =	12.09 x 8.7 =		
	56.99 x 0.08 = _	0.468 x 0.73 =		
22. Find the pe	rimeter and area of these	figures:		
7	9	10		
23. Convert the	ese mixed numbers to frac	8 ctions.		

3 4/7 =\_\_\_\_\_ 5 3/13 =\_\_\_\_\_ 13 7/11 =\_\_\_\_\_

24. My father buys tangerines at the market at 1.10 a dozen. How much do you have to pay if you buy 30 tangerines? What if you buy 50 tangerines?

## 25. Join each polyhedron with the characteristic that defines it.

Tetrahedron	12 regular pentagons
Hexahedron	4 equilateral triangles
Octahedron	20 equilateral triangles
Dodecahedron	6 squares
Icosahedron	8 equilateral triangles

26. Surround the complementary angles in blue and the additional angles in red.



27. How many 6.25 dm2 tiles do you need to cover a 10m2 floor?

28. Express in centimeters.

2 m 15 dm 4 cm = \_\_\_\_\_ 7 dm 13 dm 500 mm = \_\_\_\_\_ 34 m 140 mm = \_\_\_\_\_ 38 cm 4700 mm = \_\_\_\_\_

29. A tank holds 37 litres and 3⁄4 litres of water and 5 litres and 1⁄2 more are added. How much will it contain? now?

30. A cyclist had already traveled a third of a road consisting of 147Km 14 dm. How many meters to go?