



UNITED NATIONS COLLEGE I.E.D.  
PREPARATORY WORKSHOP  
II TRIMESTER  
MATHEMATICS 402°



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

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**DELIVERY DATE: JULY 16**

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1. Enter the number that corresponds:

- $7\text{cm} + 3\text{DM} + 6\text{C} + 5\text{U}$  :
- $8\text{cm} + 9\text{dm} + 1\text{um} + 4\text{c} + 5\text{d}$  :
- $2\text{DM} + 8\text{UM} + 4\text{D} + 3\text{U}$ :

2. Write how each number is read a. 4.501.008:

- 28,000,135:
- 100,984,000:

3. Write with numbers:

- Twelve million, three hundred and four thousand, thirty-four:
- One hundred and four million, five hundred and seventy:
- Eight million, five hundred thousand, one hundred and two:

4. Write the following numbers in English:

- 764:
- 579:
- 340:

5. I write the number before and after

\_\_\_\_\_ 145.999 \_\_\_\_\_

\_\_\_\_\_ 32.756 \_\_\_\_\_

\_\_\_\_\_ 20.999 \_\_\_\_\_

6. Resolves the following issues:

- How much is half of triple 678?
- Between four hens they lay 8 dozen eggs. How many eggs does each hen lay?
- In one country, 2 children are born every minute. How many children are born in 7 hours?; How many children are born 2 days old?; How many children are born in 3 weeks?
- I had saved some money. My mom gave me \$456 and now I have \$879. How much money did he have saved?

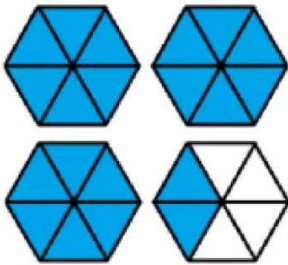
e. A zoo seal eats 7 fish on Monday, and on Tuesday it eats twice as many fish.

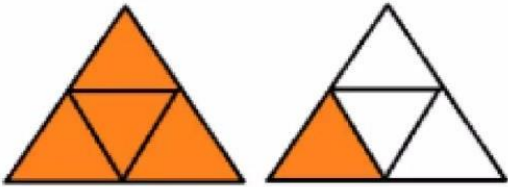
**Proper Fractions:** Proper fractions are those that represent numbers less than unity.

**Improper fractions:** Improper fractions are those that represent numbers greater than unity.

**Fractions equal to unity:** They are those that represent numbers equal to unity.

7. Write the corresponding fraction and what type of fraction it is





Solve:

8. Homogeneous sums

$$\frac{12}{7} + \frac{4}{7} + \frac{20}{7} =$$

$$\frac{21}{13} + \frac{14}{13} + \frac{10}{13} =$$

9. Homogeneous subtractions

$$\frac{23}{7} - \frac{14}{7} =$$

$$\frac{43}{11} - \frac{29}{11} =$$

10. Heterogeneous sums of two fractions

$$\frac{5}{6} + \frac{1}{3}$$

$$\frac{5}{2} + \frac{3}{4}$$

11. Heterogeneous subtractions with two fractions

$$\frac{7}{4} - \frac{1}{2}$$

$$\frac{2}{3} - \frac{7}{15}$$

12. Heterogeneous sums with more than two fractions

$$\frac{6}{10} + \frac{3}{5} + \frac{9}{15} =$$

$$\frac{3}{6} + \frac{7}{4} + \frac{1}{12} =$$

13. Heterogeneous subtractions with more than two fractions

$$\frac{4}{5} - \frac{7}{20} - \frac{1}{7} =$$

$$\frac{15}{10} - \frac{3}{7} - \frac{1}{2} =$$