**MSU-IIT NATIONAL COOPERATIVE ACADEMY**

A subsidiary of MSU-IIT NMPC, an education Cooperative

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**1st Summative Examination**

(September 22-23. 2022)

**BUSINESS MATH**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DIRECTION: WRITE THE LEETER THAT CORRESPONDS TO YOUR ANSWER ON YOUR ANSWER SHEETS.**

* + - 1. 2/8 and ¼, 3/17 and 12/68 are examples of \_\_\_\_\_\_\_\_\_\_\_\_.

1. Equivalent Fractions c. Similar Fractions
2. Improper Fractions d. Proper Fractions
   * + 1. Which is an example of an improper fraction?
          1. 42/89 c. 93/5
3. 8 9/11 d. ½
4. When a whole number and a fraction are written together it is identified as a \_\_\_\_\_\_\_\_\_\_.
   * + - 1. Equivalent Fractions c. Similar Fractions
         2. Improper Fractions d. Mixed Fractions
5. Express 34/5 to a mixed number.
   * + - 1. 6 4/5 c. 4 5/6
         2. 5 4/6 d. 3 5/5
6. What is the sum of 4/12, 3/12, 1/12 in simplest form?
   * + - 1. ½ c. 2/3
         2. ¼ d. 2/8
7. Calculate the sum of 25/12, 18/24 and 7/16.
   * + - 1. 3 13/48 c. 2 13/48
         2. 3 11/48 d. 2 11/48
8. What is the difference between of 78/9 and 63/9?
   * + - 1. 3 1/3 c. 1 2/5
         2. 2 3/5 d. 1 2/3
9. Subtract 9 5/15 from 18.
   * + - 1. 9 2/5 c. 8
         2. 8 2/3 d. 6
10. What is the product of 12/33 and 77/90.
    * + - 1. 360/847 c. 7/15
          2. 14/45 d. 2/5
11. What is 5 2/7 divided by 6/9 in lowest term?
    * + - 1. 7 13/14 c. 1 3/7
          2. 5 12/49 d. 111/14
12. Marko and his son went fishing. Marko caught 3 3/8 kg of fish while his son caught 2 1/8 kg of fish. Total weight of fishes caught is?
    * + - 1. 6 ¼ kg c. 5 ½ kg
          2. 6 4/16 kg d. 5 1/8 kg
13. What part of 1 ½ is ¾?
    * + - 1. 0.5 c. 5
          2. 55% d. 0.05%
14. A tank has 82 ¾ L of water. 24 ¾ L were used and the tank was filled with another 18 ¾ L. Tank final volume of water is?
    * + - 1. 82 ¾ L c. 18 ¾ L
          2. 76 ¾ L d. 19 ¾ L
15. Joshua ran 2 1/3 km and Matthew ran 3 1/5 km. Find the difference in the distance that they ran.
    * + - 1. 3 8/15 km c. 13/15 km
          2. 1 ½ km d. 3/5 km
16. There are 105 pupils in Grade 5. 2/5 of the pupils will be pulled out for practices, how many of the pupils will be left?
    * + - 1. 42 c. 63
          2. 105/5 d. 21
17. What is the sum of 63.987, 38.4, 2.967, and 34.983 rounded off to the nearest ones?
    * + - 1. 140.4 c. 140.3
          2. 140.337 d. 140
18. What is the difference if 6.035 will be subtracted from 7.132?
    * + - 1. 2.907 c. 1.907
          2. 2.097 d. 1.097
19. What is the difference of 895.3135 and 643.5544?
    * + - 1. 351.7591 c. 35.17591
          2. 251.7591 d. 25.17591
20. What is the product if you will multiply 24.024 to 100?
    * + - 1. 240.24 c. 2.4024
          2. 2 402.4 d. 0.24024
21. Multiply 0.293 and 0.76
    * + - 1. 22.268 c. 2 226.8
          2. 222.68 d. 0.22268
22. To what number will you multiply 0.012 to get 0.4812?
    * + - 1. 0.4 c. 40.0
          2. 0.41 d. 40.1
23. Find the quotient of 96.351 ÷ 1.5.
    * + - 1. 642.34 c. 6.4234
          2. 64.234 d. 0.64234
24. Mother bought 3 kg of beans at ₱25.25 per kg, 2 kg of nuts at ₱38.00 per kg, and 2 kg of fish at ₱85.50 per kg. Total cost is?
    * + - 1. ₱332.00 c. ₱302.75
          2. ₱332.75 d. ₱300.00
25. There were 10 dozens of eggs in the box. Mother gave Aling Maria 4.5 dozens. How many dozens of eggs were left?
    * + - 1. 6.5 c. 5.05
          2. 6.05 d. 5.5

**DIRECTION: 2 points for solution and 1 point for correct answer.**

1. JV, Kidd, and Migs are buying skateboards. JV is getting his skateboard on sale for ₱219.49. Kidd’s costs ₱279.97.Migs’ costs ₱234.95. Round each skateboard price to the nearest peso and get their total expenses.
   * + - 1. ₱1 034.00 c. ₱834.00
         2. ₱934.00 d. ₱734.00
2. Johanne dribbled a basketball for 13.35 seconds before Jerome got the ball away. Then Jerome dribbled the ball for11.525 seconds before Johanne got the ball. How many more seconds Johanne dribbled the ball than Jerome?
   * + - 1. 2.825 seconds c. 1.825 seconds
         2. 1.925 seconds d. 0.725 seconds
3. The Gr.11 Tailor students are making costumes for this year’s Senior High School Intramurals. The pattern they are using calls for 2.125 yards of fabric for each costume. How many yards of fabric will they need to make 110 costumes for Grade 11?
   * + - 1. 240 yards c. 230 yards
         2. 233.75 yards d. 228.75 yards
4. Paolo is buying a new Nike KD VI basketball shoes. The shoes he wants to buy amounted ₱6 995.00 including the sales tax. Sales tax is calculated by multiplying the total amount by 0.12. What is the amount of sales tax for the shoes?
   * + - 1. ₱839.40 c. ₱675.25
         2. ₱799.99 d. ₱500.50
5. Joseph is connecting three garden hoses to make one longer hose. The green hose is 6.25 feet long, the orange hose is5.755 feet long, and the black hose is 6.5 feet long. What is the total length of the hoses?

a. 18.505 feet c.12.50 feet

b. 15.55 feet d. 10.055 feet

1. Sean is making a scale model of a building. The model is 3.4 feet tall. The actual building is 41.48 feet tall. How many times smaller is the model than the actual building?
   * + - 1. 12.2 feet c. 10.2 feet
         2. 12.02 feet d. 10.02 feet

“If you want to succeed, focus on changing yourself, not others.”

Bonus Question: What is your teacher’s full name?