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**Republic of the Phillipines**

**Department of Education**

**Region VIII (Eastern Visayas)**

**Division of Leyte**

**INOPACAN DISTRICT**

**CONALUM ELEMENTARY SCHOOL**

**Table of Specification**

**FIRST QUARTERLY TEST in MATHEMATICS VI**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **LEARNING COMPETENCY** | **NUMBER OF DAYS** | **PERCENTAGE** | **Number of Items** | **Items****placement** |
| 1. Adds and subtracts simplefractions and mixed numberswithout or with regrouping.M6NS-Ia-86 | 3(Lesson 1, 2) | 5.66% | 4 | 1-4 |
| 2. Solves routine and non-routine problems involving addition and/or subtraction of fractions using appropriate problem solving strategies and tools.M6NS-Ia-87.3 | 2(Lesson 3,4) | 3.77% | 2 | 5-6 |
| 3. Creates problems (with reasonable answers) involving addition and/or subtraction of fractionsM6NS-Ia-88.3 | 1(Lesson 5) | 1.88% | 1 | 48 |
| 4. Multiplies simple fractions and mixed fractions.M6NS-Ib-90.2 | 2(Lesson 6,7) | 3.77% | 2 | 7-8 |
| 5. Solves routine or non-routine problems involving multiplication without or with addition or subtraction of fractions and mixed fractions using appropriate problem solving strategies and tools.M6NS-Ib-92.2 | 2(Lesson 8,9) | 3.77% | 2 | 9-10 |
| 6. Creates problems (with reasonable answers) involving multiplication without or with addition or subtraction of fractions and mixed fractions.M6NS-Ib-93.2 | 1(Lesson 10) | 1.88% | 1 | 49 |
| 7. Divides simple fractions and mixed fractions.M6NS-Ic-96.2 | 2(Lesson 11,12) | 3.77% | 2 | 11-12 |
| 8. Solves routine or non-routine problems involving division without or with any of the other operations of fractions and mixed fractions using appropriate problem solving strategies and tools.M6NS-Ic-97.2 | 2(Lesson 13,14) | 3.77% | 2 | 13-14 |
| 9. Creates problems (with reasonable answers) involving division without or with any of the other operations of fractions and mixed fractions.M6NS-Ic-98.2 | 1(Lesson 15) | 1.88% | 1 | 60 |
| 10. Adds and subtracts decimals and mixed decimals through ten thousandths without or with regrouping.M6NS-Id-106.2 | 2(Lesson 16, 17) | 3.77% | 2 | 15-16 |
| 11. Solves 1 or more steps routine and non-routine problems involving addition and/or subtraction of decimals and mixed decimals using appropriate problem solving strategies and tools.M6NS-Id-108.2 | 3(Lesson 18,19) | 5.66% | 4 | 17-20 |
| 12. Creates problems (with reasonable answers) involving addition and/or subtraction of decimals and mixed decimals.M6NS-Id-109.2 | 2(Lesson 20,21) | 3.77% | 2 | 50-51 |
| 13. Multiplies decimals and mixed decimals with factors up to 2 decimal places.M6NS-Ie-111.3 | 3(Lesson 22,23) | 5.66% | 4 | 21-24 |
| 14. Multiplies mentally decimals up to 2 decimals places by 0.1, 0.01,10, and 100.M6NS-Ie-111.4 | 1(Lesson 24) | 1.88% | 1 | 25 |
| 15. Solves routine and non-routine problems involving multiplication of decimals and mixed decimals including money using appropriate problem solving strategies.M6NS-Ie-113.2 | 3(Lesson 25,26) | 5.66% | 4 | 26-29 |
| 16. Solves multi-step problems involving multiplication and addition or subtraction of decimals, mixed decimals and whole numbers including money using appropriate problem solving strategies and tools.M6NS-If-113.3 | 3(Lesson 27,28) | 5.66% | 4 | 30-33 |
| 17. Creates problems (with reasonable answers) involving multiplication without or with addition or subtraction of decimals, mixed decimals and whole numbers including money.M6NS-If-114 | 3(Lesson 29,30) | 5.66% | 4 | 52-55 |
| 18. Divides whole numbers by decimals up to 2 decimal places and vice versa.M6NS-Ig-116.3 | 2(Lesson 31) | 3.77% | 2 | 34-35 |
| 19. Divides decimals/mixed decimals up to 2 decimal places. M6NS-Ig-116.4 | 2(Lesson 32) | 3.77% | 2 | 36-37 |
| 20. Divides decimals up to 4 decimal places by 0.1, 0.01, and 0.001.M6NS-Ih-116.5 | 1(Lesson 33) | 3.77% | 1 | 38 |
| 21. Divides decimals up to 2 decimal places by 10, 100, and 1 000 mentally.M6NS-Ih-118 | 1(Lesson 34) | 1.88% | 1 | 39 |
| 22. Differentiates terminating from repeating, non-terminating decimal quotients.M6NS-Ii-119 | 2(Lesson 35) | 3.77% | 2 | 46-47 |
| 23. Solves routine and non-routine problems involving division of decimals, mixed decimals, and whole numbers including money using appropriate problem solving strategies and tools.M6NS-Ii-120.2 | 2(Lesson 36) | 1.88% | 2 | 40-41 |
| 24. Solves multi-step routine and non-routine problems involving division and any of the other operations of decimals, mixeddecimals, and whole numbers including money using appropriate problem solving strategies and tools.M6NS-Ij-120.3 | 4(Lesson 37,38) | 7.54% | 4 | 42-45 |
| 25. Creates problems (with reasonable answers) involving division without or with any of the other operations of decimals, mixed decimals and whole numbers including money.M6NS-Ij-121.2 | 3(Lesson 39,40) | 5.66% | 4 | 56-59 |
| **Total** | **53** | **100** | **60** | **60** |

 **Prepared by:**

 **Rigino T. Macunay, Jr.**

**First Quarterly Test in Mathematics 6**

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

**Teacher\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Direction: Read and solve the given problems carefully. Write the letter of your answer on the space provided before each number.**

**\_\_\_\_\_1. What is 1/5 + 3/5?**

1. **2/5 B. 4/25 C. 4/10 D. 4/5**

**\_\_\_\_\_2. Add ½ and 2/5.**

**A.3/5 B. 3/10 C. 3/7 D. 9/10**

**\_\_\_\_\_3. Subtract ¾ from 5/6.**

**A.1/12 B. 3/6 C. 1/2 D. 8/10**

**\_\_\_\_\_4. What is 20 ¾ - 18 2/3?**

**A.1 2/12 B. 2 1/12 C. 12 1/2 D. 15 2/3**

**\_\_\_\_\_5. Lola Flora bought 4 ¾ kg of chicken. She cooked 2 ¼ kg and refrigerate the rest.**

 **How many kilograms of chicken were left?**

1. **2 1/4 B. 2 1/2 C. 3 1/4 D. 3 1/2**

**\_\_\_\_\_6. Cardo changed the color of his jeepney. He consumed 3 ¼ liters of blue paint and 2 2/3 liters of white paint. How many liters of paint did Cardo use? What is asked in the problem?**

1. **The amount of blue paint used**
2. **The amount of white paint used**
3. **The amount of paint Cardo used**
4. **The colors of the paint used**

**\_\_\_\_\_ 7.When 8 is multiplied by 2/3, the product is \_\_\_\_\_\_\_\_\_\_\_\_\_.**

 **A. 8 2/3 B. 5 1/3 C. 3 3/8 D. 2 1/3**

**\_\_\_\_\_8. What is 4/5 is multiplied by 9/10 ?**

 **A. 30/50 B. 18/25 C. 37/50 D. 21/25**

**\_\_\_\_\_9. Luna has 6/7 kilograms of sugar. She used ¾ of it for ginataan. How much**

**sugar did Luna use for ginataan?**

1. **4/12 B. 5/14 C. 7/14 D. 9/14**

**\_\_\_\_\_10. A fruit salad recipe uses 3 ¾ cups of condensed milk. How much milk is needed**

**if 2 2/3 times of the recipe will be prepared?**

 **A. 5 B. 7 C. 8 D. 10**

**\_\_\_\_\_11. When 8 is divided by 1/3, the quotient is \_\_\_\_\_\_\_\_\_\_\_\_\_.**

**A. 24 B. 25 C. 26 D. 27**

**\_\_\_\_\_12. In 2/3 ÷ 6/7, the quotient will be \_\_\_\_\_\_\_\_\_\_\_\_\_**

**A. 7/8 B. 7/9 C. 7/10 D. 7/11**

**\_\_\_\_\_13. A blouse require 1 ¼ m of cloth, how many blouses can be made from 21 m of**

**cloth?**

**A. 12 B. 14 C. 16 D. 18**

**\_\_\_\_\_14. Edith wants to cut pieces of ribbon 1/3 meter long from a piece of 5/6 meter.**

 **How many pieces can be cut?**

**A. 2 B. 3 C. 4 D. 5**

**\_\_\_\_\_15. The sum of 6 + 0.413 + 0.173 is \_\_\_\_\_\_**

**A. 0.6586 B. 6.586 C. 6.865 D. 6.658**

**\_\_\_\_\_16. Subtract 0.9289 and 0.7493. The difference is**

1. **0.2216 B. 0.1796 C. 1.6782 D. 0.0796**

**\_\_\_\_\_17. For her father’s birthday, Cielo bought a gift worth P206.50. How much of her five**

 **hundred peso bill was left?**

1. **P293.50 B. P286.50 C. P274.50 D. P253.50**

**\_\_\_\_\_18. Of the 41 kg of fruits Jaira had sold, 5.75 kg were mangoes, 21.5 kg were lanzones,**

 **and the rest were papayas. How many kg were papayas?**

1. **11.75 B. 12.75 C. 13.75 D. 14.75**

**\_\_\_\_\_19. Ivy bought a red dress worth P1 966.99. If she gave P2 000.00 to the cashier, how**

 **much is her change?**

1. **P33.01 B. P53.01 C. P63.10 D. P88.03**

**\_\_\_\_\_20. The water bill costs P875.50 while the phone bill costs P687.25 more. How much**

 **will be needed to pay for the bills?**

1. **P1 562.75 B.P1751.00 C. P2 438.25 C. P4 876.5**

**\_\_\_\_\_21. Find the product of 0.56 x 0.3**

1. **0.0168 B. 0.168 C. 1.68 D. 16.8**

**\_\_\_\_\_22. Multiply 6.23 and 2.18. The product is \_\_\_\_**

1. **13.5814 B. 13.5184 C. 8.41 D. 4.05**

**\_\_\_\_\_23. 0.57356 multiplied by 10 equals**

1. **0.57356 B. 5.7356 C. 57.356 D. 533.56**

**\_\_\_\_\_24. What is the product of 0.35 and 0.46?**

1. **0.0161 B. 0.161 C. 1.61 D. 16.1**

**\_\_\_\_\_25. If you multiply 3.06 and 0.001 the product is \_\_\_\_**

1. **3.06 B. 0.0306 C. 0.306 D. 0.00306**

**\_\_\_\_\_26. Andrei uses an average of 52.812 liters of gasoline per week. How many liters of**

 **gasoline will be used in 6 weeks?**

1. **316.278 B. 316.728 C. 316.827 D. 316.872**

**\_\_\_\_\_27. A certain book in Mathematics is 3.15 cm thick. How tall will 12 books stand if**

 **stacked one on top of another?**

1. **37.8 B. 38.9 C. 39.0 D. 40.1**

**\_\_\_\_\_28. A kilo of grapes costs ₱200.50. How much will you pay if you buy 3 kilos?**

1. **₱6.015 B. ₱60.15 C. ₱601.50 D. ₱6015**

**\_\_\_\_\_29. Cherry decides to save ₱20.25 each week from her allowance to buy a gift for his father’s birthday. If she saves for 5 weeks, how much is the most expensive gift that she can buy using all her savings?**

1. **₱100.00 B. ₱101.25 C. ₱102.50 D. ₱103.75**

**\_\_\_\_\_30. Multiply the sum of 431.17 and 281.29 by 3.7. What is the result?**

1. **2,635.102 B. 2,636.102 C. 2,637.101 D. 2,637.101**

**\_\_\_\_\_31. Adult tickets in an animal show sells at ₱125.05 and children at ₱99.35. If 25 parents and 70 children watched that show, how much did the show earn?**

1. **₱10,080.00 B. ₱10,080.25 C. ₱10,080.50 D. ₱10,080.75**

**\_\_\_\_\_32. Mr. Cortez bought 3 pocket books for ₱37.85 each and 6 posters for ₱21.75 each. How much was his change if he gave the seller a 1000 peso bill?**

1. **₱575.59 B. ₱557.95 C. ₱755.95 D. ₱775.59**

**\_\_\_\_\_33. Suzzane purchased a computer set costing ₱23,789.25 plus value added tax at 0.12 times the cost. How much did she pay in all for the computer set?**

1. **₱25,000 B. ₱25,643.96 C. ₱26,000 D. ₱26,643.96**

**\_\_\_\_\_34. 288 divided by 0.4 equal to \_\_\_\_\_\_\_\_**

1. **72 B. 720 C. 7 200 D. 72 000**

**\_\_\_\_\_35. What is the quotient if you divide 12.6 by 6?**

1. **0.21 B. 2.1 C. 2.11 D. 21.1**

**\_\_\_\_\_36. The quotient of 39.78 ÷ 1.8 is \_\_\_\_\_\_\_.**

1. **22.1 B. 2.21 C. 2.12 D. 0.221**

**\_\_\_\_\_37. 75.6 divided by 3.6 is equal to \_\_\_\_\_\_\_.**

1. **12 B. 21 C. 31 D. 41**

**\_\_\_\_\_38. Find the quotient of 76.563 ÷ 0.001.**

1. **765.63 B. 7656.3 C. 76563 D. 765630**

**\_\_\_\_\_39.** **Simplify: 0.0394 ÷ 100 =**

1. **0.394 B. 0.0394 C. 0.00394 D. 0.000934**

**\_\_\_\_\_40. A jogger runs 5 times in an open field. He runs a total distance of 8.25 km. How many kilometers did he jog each time?**

1. **1.56 B. 1.65 C. 5.61 D. 6.51**

**\_\_\_\_\_41. Cheena will cut 10.8 meters of lace into pieces 0.9 meter each. How many pieces of ribbon will she have?**

1. **11 B. 12 C. 13 D. 14**

**\_\_\_\_\_42. A nylon cord is 62.4 meters long. How many pieces of 0.4 meter long will be cut from it?**

1. **156 B. 256 C. 356 D. 456**

**\_\_\_\_\_43. Christine sold 4 durians weighing 1.3 kg, 1.5 kg, 1.4 kg and 1.6 kg and earns Php353.80. How much is a kilogram of durian?**

1. **₱31.00 B. ₱41.00 C. ₱51.00 D. ₱61.00**

**\_\_\_\_\_44. There are 21 boys and 24 girls who will equally share the expenses for a bus trip amounting to Php 1462.50. How much will each pay?**

1. **0.325 B. 3.25 C. 32.5 D. 325**

**\_\_\_\_\_45. Three friends sold 135 sampaguita garlands at ₱5.75 each. They share equally their earnings for that day. How much did each receive?**

1. **₱158.75 B. ₱258.75 C. ₱358.75 D. ₱458.75**

**Express the following fractions as decimals then write T for Terminating decimals and R for Repeating decimals**

**\_\_\_\_\_46. ½**

**\_\_\_\_\_47.5/6**

**Direction: Read and analyze each sentences inside the boxes. Create practical word problem applicable from the sentences given then solve for the reasonable answer.**

Yolly has 1 1/3 kilograms of chicken

5 ½ kilograms of beef in her refrigerator.

How much kilograms of meat does she have in all?

**48-49.**

**50-51.**

How much longer is the length than the width?

It measures 85.12 meters long

Mr. Tolentino owns a piece of land in Tagaytay City

 and 68.293 meters wide

**52-55**

6 posters for P21.75 each.

 How much was his change if he gave the cashier a **₱500** peso bill?

Mr. Zapanta bought 3 drawing books for P37.85 each

his Ninong gave him **₱2**00.00

Tristan wants to buy sims for Gameboy which cost **₱**540.60

He already saved **₱**130.60

How long will it take him to save the rest of the money to buy the sims if he saves **₱**17.50 a day?

**56-59**

**DIRECTION**: Create your own mathematical word problem that involves division of

 fraction. Use the given data.

**60. Ana works as school assistant**

**2 1/2 hours in 5 days**

**HONESTY is the best POLICY…**

**Key to Correction**

|  |  |  |
| --- | --- | --- |
| 1. D
 | 21. B | 41. B |
| 1. D
 | 22. A | 42. A |
| 1. A
 | 23. B | 43.D |
| 1. B
 | 24. B | 44.C |
| 1. B
 | 25. D | 45. B |
| 1. C
 | 26.D | 46. T |
| 1. B
 | 27.A | 47. R |
| 1. B
 | 28.C | 48-49. Yolly has 1 1/3 kilograms of chicken and 5 ½ kilograms of beef n refrigerator. How much kilograms of meat does she have in all?Answer: 5 5/6 kilograms of meat |
| 1. D
 | 29. B | 50-51. Mr. Tolentino owns a piece of land in Tagaytay City. It measures 85.12 meters long and 68.293 meters wide. How much longer is the length than the width?Answer: 16.827 meters |
| 1. D
 | 30.B | 52-55. Mr. Zapanta bought 3 drawing books for ₱37.85 each and 6 posters for ₱21.75 each. How much was his change if he gave the cashier a 500-peso bill?Final Answer: His change is **₱255.95****(Give point for each solution)** |
| 1. A
 | 31.D | 56-59. Tristan wants to buy sims for Gameboy which cost ₱540.60. He already saved ₱130.60 and his Ninong gave him ₱ 200.00. How long will it take him to save the rest of the money to buy the sims if he saves ₱17.50 a day?Final Answer: It will take 12 days to save the rest of the money to buy sims for Gameboy. |
| 1. B
 | 32. C | 60. Ana works as school assistant for 2 ½ hours in 5 days. How many hours did she spend at work in a day? |
| 1. C
 | 33. D |  |
| 1. A
 | 34.B |  |
| 1. B
 | 35. B |  |
| 1. B
 | 36. A |  |
| 1. A
 | 37. B |  |
| 1. C
 | 38.C |  |
| 1. A
 | 39. D. |  |
| 1. C
 | 40. B. |  |