Borough of Manhattan Community College
Mathematics Department

Mat 8 Prof Greenhalgh Final Exam Review Part 3

1. There are 10 boys and 15 girls on a school bus. What fraction of all the children on the bus is girls?
2. Write as a fraction in lowest terms: 8.25
3. From 17 3/8 Subtract 10 11/12
4. Compute: $5(7 - 3)^2 + 30 \div 3 \bullet 2$
5. Find the smallest number: 0.35 3/5 1.76 2/3
6. Write as a percent: 1/8
7. What is 80 % of 50 ?
8. Express as a decimal rounded to the nearest hundredth: 4/7

9. The ages of patients in a clinic are as follows: 3, 21, 11, and 1. What is average age of the patients?

10. Solve for x: 3/7 = x/11

11. Prof Jones has 20 students in his first class, 17 students in his second class, and 13 students in his third class. What percentage of his total students is in his second class?

12. Maria worked 43 hours and earned $838.50. What is her hourly rate of pay?

13. Fifty-six is 70 % of what number?

14. Find the product: (0.195)(0.008)

15. Compute: $1/8 \div 4\ 1/2$

16. Mary buys 5 ham sandwiches which cost $6.95 each and 7 tuna sandwiches which cost $3.95 each. If she gives the cashier a hundred dollar bill, how much change does he receive?

17. The ratio of red cars to blue cars in a parking lot is 4:7. If there are 20 red cars in the lot, how many blue cars are there?

18. If 35 students took an exam and 1/7 of them failed, how many passed?

19. Compute: - 6 - 13 + 5 - 6

20. If a TV set sells for $1,500 and is on sale for 60 % off, what the new cost of the TV?

21. Write the following percent as a faction in lowest terms: 3 %

22. Ms. Smith invests $2,000 in a CD at her bank which pays 1.5% annual interest not compounded. How much money does she earn from her investment?

23. Place the following decimals in decreasing order with largest first:

1.4 0.014 0.0014 0.14 0.1004

24. Find the sum: 3/8 + 7/12

25. Compute: 6 - (-9)