

**Borough of Manhattan Community College  
Mathematics Department**

**Mat 8**

**Professor Greenhalgh**

**Fractions Practice Exam**

1. Change  $5\frac{3}{4}$  to an improper fraction.
2. Change  $\frac{31}{7}$  to a mixed number.
3. Reduce to lowest terms  $\frac{27}{36}$
4. Add:  $\frac{3}{7} + \frac{2}{7}$
5. Add:  $3\frac{4}{5} + 5\frac{3}{5}$
6. From 8 subtract  $3\frac{1}{5}$
7. From  $11\frac{1}{7}$  subtract  $8\frac{3}{7}$
8. Add:  $\frac{3}{4}$  and  $\frac{1}{5}$
9. Find the sum:  $5\frac{5}{8} + 2\frac{1}{6}$
10. From  $7\frac{2}{3}$  subtract  $3\frac{4}{5}$
11. Find the product  $\frac{2}{5} \times \frac{3}{11}$
12. Multiply:  $4\frac{2}{7} \times 5\frac{2}{3}$
13. Divide:  $\frac{3}{5}$  by  $\frac{1}{5}$
14. Find the quotient:  $2\frac{3}{4}$  by  $1\frac{1}{3}$
15. Which is larger:  $\frac{3}{5}$  or  $\frac{4}{7}$
16. In a math class there are 8 male students and 10 female. What fraction of the class is male ?
17. A piece of ribbon is 10 inches long. How many smaller pieces each  $1\frac{1}{4}$  inches long can be cut from the larger piece ?
18. There are 24 students in a class. If one-third of the class is absent, how many students are not absent?
19. Mary wraps 6 large presents for a holiday party and 8 small presents. If each large present uses  $3\frac{1}{4}$  inches of wrapping paper and each small present requires  $1\frac{1}{2}$  inches of wrapping paper, how much wrapping paper did Mary use?

