BRONX COMMUNITY COLLEGE
of the City University of New York
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

MTH01 Section D07   **Sample Quiz 8**

Instructions

Solve the following problems. Reduce all ratios and fractions to lowest terms. Use pencil. Show all your work.

1. Find the ratio: 6 to 18

2. Find the ratio: 5.7 to 3.8

3. Find the ratio: $2\frac{1}{2}$ to $6\frac{1}{2}$

4. Solve the proportion: $\dfrac{7}{x} = \dfrac{21}{15}$

5. Solve the proportion: $\dfrac{y}{36} = \dfrac{11}{12}$

6. Solve the proportion: $\dfrac{3}{45} = \dfrac{z}{75}$

7. 24 is what percent of 32?

8. What is 15% of 40?

9. 6 is 48% percent of what?

10. 10 is 8% percent of what?