

Key – MAT060 – Practice Exam Chapter 4-7 – F10

1. Ratios do not have units. Rates have units.
2.
 - a. $25/6$, 25:6, 25 to 6
 - b. $2/3$, 2:3, 2 to 3
3.
 - a. 28 mi/gal
 - b. 80 words/min
4.
 - a. False
 - b. False
 - c. True
 - d. True
5.
 - a. 21
 - b. 5
 - c. 3.75
 - d. 3.6
6. 62,500 Yen
7. 135 gal
8.
 - a. $2/5$
 - b. 0.40
9.
 - a. $13/4$
 - b. 3.25
10.
 - a. 17%
 - b. 0.6%
11.
 - a. 40%
 - b. 216.7%
12.
 - a. 7.5
 - b. 32%
 - c. 75
 - d. 7.5
 - e. 45
 - f. 15
 - g. 14.3
13. 960 failed
14. 1.5%
15. 5000 Pizza's
16. 45.8% increase
17. \$3.44/gal
18. 151.5%
19. \$74
20. 25%
21. \$38.25
22. 18.9%
23.
 - a. 2500 tanks
 - b. 1250 tanks
 - c. 1000 more tanks
 - d. 11.5% of tanks
 - e. $5/3$ or 5:3 or 5 to 3
24.
 - a. \$163,000 total (I wish!!)
 - b. \$42,000 in gold
 - c. 25.8%
 - d. $3/13$ or 3:13 or 3 to 13
25.
 - a. Utah
 - b. 10 million
 - c. 1925-1950
 - d. 300%
 - e. 100 million people