

Key – MAT060 – Practice Final Exam Part 1 – Ch. 4-9 and 12 – F10

1.
 - a. 3
 - b. 6
 - c. 5.01
 - d. 16.25
 - e. 47.89
2.
 - a. 900 miles
 - b. 75 posts
 - c. 320 calories
 - d. 20 pounds
 - e. \$11.25
3.
 - a. $\frac{7}{20}$
 - b. 0.35
4.
 - a. $\frac{7}{10}$
 - b. 0.70
5.
 - a. 55%
 - b. 150%
6.
 - a. 37.5%
 - b. 166.67%
7.
 - a. 13.5
 - b. 31.25%
 - c. 80
 - d. 20
 - e. 84
 - f. 50
 - g. 11
8.
 - a. 960 chips fail
 - b. 3.2% fail
 - c. 2000 cups of coffee
 - d. 45.83% increase
 - e. 20% mark up
9.
 - a. \$2.03 sandwich
 - b. 37.5% faster
 - c. \$113.75
 - d. 66.67% increase
 - e. \$0.41/share
10.
 - a. \$150,000
 - b. 30%
 - c. $\frac{1}{6}$
 - d. 2:5
11.
 - a. Intel
 - b. \$10 million
 - c. 1985-1990
 - d. 125% increase
 - e. \$100 million
12.
 - a. $6\frac{1}{3}$ inches
 - b. 132 inches
 - c. $\frac{1}{2}$ inches
 - d. 15 qts.
 - e. 192 fl. Oz.
 - f. 172,800 sec.
 - g. 16,000 oz.
 - h. 4 ft. 2 in.
 - i. 7 qt. 1 pt.
 - j. 5 tons 1000 lbs.
13. 11 ft. 6 in.
14. 3 lbs. 14 oz.
15. $7\frac{1}{2}$ pts.
16. 3 ft. 10 in.
17. 6 lbs. 4 oz.
18. 25 lbs. 2 oz.
19. $2\frac{5}{6}$ lbs.
20. 21 in.

- 21.
- a. 5.2 cm
 - b. 0.00975 m
 - c. 0.015 kg
 - d. 20,000,000 mL
 - e. 15,000,000 mm

- 22.
- a. 113.51 km
 - b. 3,220,000 cm
 - c. 3.77 gal
 - d. 50,793.65 cups
 - e. 2727.27 kg
 - f. 1.67 days
 - g. 10.62 km/L
 - h. 1091.53 kL/day
 - i. 447.20 mi/day
 - j. 62.62 lbs./gal

- 23.
- a. 125,000 lbs. (a HUGE semi!)
 - b. 24 bottles
 - c. 60 kg
 - d. 588.5 mi/gal!
 - e. 21.11 glasses of milk

- 24.
- a.

Die Roll	1	2	3	4	5
1	1,1	1,2	1,3	1,4	1,5
2	2,1	2,2	2,3	2,4	2,5
3	3,1	3,2	3,3	3,4	3,5
4	4,1	4,2	4,3	4,4	4,5
5	5,1	5,2	5,3	5,4	5,5

- b. $\frac{4}{25}$
- c. $\frac{9}{25}$
- d. $\frac{3}{25}$

25. $\frac{1}{4}$

26. $\frac{2}{9}$

- 27.
- a. \$4,875
 - b. \$19,875
 - c. \$331.25/month

28. \$1,104.99

- 29.
- a. \$11,250
 - b. \$63,750
 - c. \$3,506.25
 - d. \$1354.50/month

- 30.
- a. 22 ft
 - b. 21 ft²

- 31.
- a. 62.8 in
 - b. 251.2 in²

- 32.
- a. 113.04 cm³
 - b. 62.8 m³

- 33.
- a. 6.71 cm
 - b. 7.28 in
 - c. 5.66 m