

MAT082 – Final Exam Review – Answer Key

1. Nine billion, five hundred one million, three hundred forty-eight thousand, twelve.

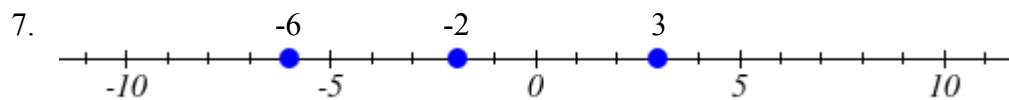
2. 234, 324, 342, 430, 432

3. a. 10,000,000,000 b. 9,501,300,000 c. 9,501,000,000

4. He bought 96 chocolates.

5. a. He made 21 more points on the second exam.
b. Anthony earned a total of 173 points on both exams.

6. Rosanne can bake 6 pies.



8. a. -10 b. -6 c. 10 d. -16 e. 4
f. -106 g. -56 h. 106 i. 5

9. a. The temperature was -9°F at 7:00AM. b. The temperature will be -19°F at noon.

10. Jane's net pay is \$1,949.94.

11. a. -13 b. -61 c. -2 d. -100

12. Miguel biked 16 miles on the 3rd day.

13. Jodi bought 180 pounds of dog food.

14. 51 R 6

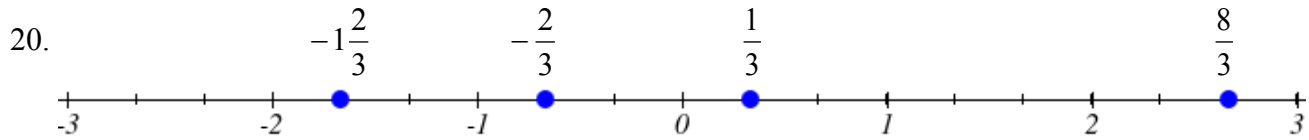
15. 1, 2, 3, 5, 6, 10, 15, 30

16. 2, 5, 13

17. $30 = 2 \cdot 3 \cdot 5$

18. GCF: 10 LCM: 60

19. a. $\frac{5}{9}$ b. $\frac{9}{16}$ c. $\frac{1}{2}$



21. $4\frac{5}{6}$

22. $-\frac{5}{3}$

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

24. There are 700 calories in 60 fluid ounces of Cherry Coke.

25. a. $\frac{1}{7}$ b. $\frac{7}{5}$ c. $\frac{6}{7}$ d. $\frac{4}{7}$ e. 1 f. $\frac{16}{3}$

26. a. $\frac{1}{22}$ b. $2\frac{10}{13}$ c. $\frac{19}{24}$ d. $-\frac{14}{15}$ e. $\frac{4}{9}$

27. 5 people went to the swim meet. 15 people did not go to the swim meet.

28. One card is $\frac{1}{160}$ inch thick.

29. Linda has $3\frac{13}{24}$ cups of flour left.

30. Eleven and fifteen thousandths.

31. 2.043, 2.304, 2.34, 2.403

32. Whole number: 7 Tenth: 7.1 Hundredth: 7.07

33. Crystal can buy 4 bags of candy.

34. a. Mount Kilimanjaro is approximately 19,300 feet.
b. A dollar bill is approximately 0.011 centimeters thick.

35. a. \$8,513 b. \$8,513.481 c. \$8,500 d. \$9,000
e. \$8,513.48 f. \$8,513.5 g. \$8,513 h. \$8,513.48

36. $\frac{4}{125}$

37. 5.667
38. 3.2%
39. 31.25%
40. $\frac{7}{25}$
41. \$25.63
42. 150%
43. 160
44. The sale price of the coat is \$30.45.
45. You would pay a total of \$52.70 for the shoes.
46. Store A: 0.45 dollars per ounce or 2.22 ounces per dollar
Store B: 0.43 dollars per ounce or 2.32 ounces per dollar
Store B has the better deal.
47. 12 feet 0 inches
48. a. 3.4 years b. 3 years 5 months
49. 65.76 kg
50. 230 centimeters.
51. 2.356 meters.
52. Area: 24.455 square inches Perimeter: 21.3 inches
53. Circumference: 31.4 feet Area: 78.5 square feet
54. Perimeter: 36 yards Area: 50 square yards
55. 113.04 cubic inches