UNIT 2 STUDY GUIDE

Determine if each statement is true or false.

1) -1 x -5 = -5 2) 0 + 3 = 0 3) 3 x 0 = 0 4) -5 - 5 = 0

5) -2 - (-2) = 0 6) -2 + (-2) = 0 7) 0 - 3 = 0 8) 6 - (-6) = 0

9) When is a negative number greater than a positive number?

10)When is a positive number plus a negative number equal to a negative number?

11) When is subtracting a number equivalent to adding its opposite?

12) When is the absolute value of a number equivalent to its opposite?

13) Give an example of the associative property of multiplication.

14) Give an example of the commutative property of multiplication.

15) Give an example of the distributive property.

16) Give an example of the identity property of addition.

17) Give an example of the identity property of multiplication.

18) Give an example of the inverse property of addition.

19) Give an example of the inverse property of multiplication.

20) Give an example of the associative property of addition.

21) Give an example of the commutative property of addition.

22) Give an example of the identity property of addition.

Simplify

23) | -25| 24) |5-10| 25) |6-3| 26) -|-5| 27) -|5|

28) |-3 + (-5)| 29) |-2 - 5| - |-3 + (-5)| 30) -|-6 - 5| + |5 - 6|

31) A mountain is 12,503 ft tall. A desert is 195 ft below sea level. What is the difference between the two elevations?

32) A bird is 78 ft above the sea. A fish is 5 ft below to sea. How far apart are they?

33) A fish is 5 ft below sea level. Another fish is 67 ft below sea level. How far apart are the fish?

34) An airplane is 25,034 ft above sea level. A fish is 63 ft below sea level. What is the distance between the airplane and the fish?

35) Write 92.39 as a simplified fraction.

36) Write -23.2935 as a simplified fraction.

37) Write 92.002 as a simplified fraction.

38. Write $.\overline{532}$ as a simplified fraction.

39. Write $.\overline{4}$ as a simplified fraction.

40. Write $.\overline{03}$ as a simplified fraction.

41. Write $.0\overline{34}$ as a simplified fraction.

42. Write $2.32\overline{45}$ as a simplified fraction.

43. Annabelle has 2/3lbs of chocolate. If she ate ⅓ of it, how much does she have left?

44. Anna bell has a 2/3lb of chocolate. If she ate ⅛ lbs, how much does she have left?

45. Annabelle has ⅔ lbs of chocolate. If she ate ⅓ of it, how much did she eat?

46). It normally takes Bob 5 ¼ hrs to mow the lawn. If it only took him ¾ of his normal time, how many minutes did it take him to mow the lawn?

47) What is two-fifths of 2 ½ hours in minutes?

48) 2.34 - 5

49) 9.23 - 25

50. 9 ½ - 8 ¾

51) 27 ⅓ - 5 ¾

52) (-½)(¾)

53) 1 ½ ÷ -3 ¾

54) -2 ⅔ ÷ -4 ½

55) 25.2 ÷ .02

56) 86.23 ÷ .0005

57) -5 ½ (3 ⅓)

58) -2 ½ (-3 ⅗)

59) 83.2(.02)

60) 5.21 (.0001)