AW Math 10

Pretest - Numeracy Skills

Name _____   Teacher _____

What is the place value of the digit 2?

1.   25   2.   90,270   3.   3.2

4.   323.07   5.   57,010.72   6.   5.072

7.   43.0502

Round to the nearest ten.

8.   36   9.   25

10. 1,491

Round to the nearest hundred.

11. 121   12. 6,403

13. 4,555

14. 16,064

Round to the nearest tenth.

15. 3.28   16. 0.22

17. 7.917

18. 1.527   19. 92.966

Round to the nearest hundredth.

20. 2.743   21. 2.764

22. 4.856

23. 1.067   24. 7.1688

25. 47.806

Round to the nearest thousandth.

26. 7.1688   27. 9.9299

28. 6.8376

29. 2.6844   30. 2.8178

31. 46.0123

Is the proportion true or false?

32. $\dfrac{3}{4} = \dfrac{18}{24}$

33. $\dfrac{2}{3} = \dfrac{6}{9}$

34. $\dfrac{3}{9} = \dfrac{10}{30}$

35. $\dfrac{20}{45} = \dfrac{8}{15}$

36. $\dfrac{21}{45} = \dfrac{112}{240}$

37. $\dfrac{2/3}{5} = \dfrac{4}{30}$

Solve each proportion.

38. $\dfrac{n}{16} = \dfrac{1}{2}$

39. $\dfrac{10}{12} = \dfrac{x}{30}$

40. $\dfrac{5}{9} = \dfrac{45}{x}$

41. $\dfrac{12}{x} = \dfrac{36}{45}$

42. $\dfrac{4}{y} = \dfrac{8}{5}$

43. $\dfrac{y}{30} = \dfrac{7/10}{3}$

44. Write the ratio $98 : 21$ in simplest form.

45. Write the ratio $36 : 24$ in simplest form.

46. Write the ratio $44 : 11$ in simplest form.

47. Write the ratio $144 : 36$ in simplest form.

48. Write the ratio $100 : 30$ in simplest form.

49. A family of four budgeted the following amounts for some of their monthly bills:

House payment	$250
Food bill	$400
Gas bill	$100
Utilities	$150

What is the ratio of the house payment to the food bill? Simplify the ratio completely.

50. An electronics company has spent \$142.50 on paper supplies over a 7-month period. How much will the company spend in 1 year?

51. Angelique earned \$280 in 8 months of babysitting. How much will she earn in 1 year?

52. A woman drives 200 km in 5 hours. At the same rate, how far would she travel in 8 hours?

53. A cake recipe calls for a $3:1$ mixture of flour to sugar. If 8 cups of flour are used, how much sugar should be added?

54. A school is staffed with at least 3 teachers per 65 students. How many teachers are at the school if there are 1430 students?

55. 130 meters of copper wire weighs 18 kilograms. What would 546 meters of the same kind of wire weigh?

56. A basketball player scored 192 points in 16 games. At that rate, how many points will she score in the remaining 6 games of the season?

57. A baseball player got 12 hits in his first 38 times at bat. To keep the same batting average, how many hits should he have after 133 "at bats"?

58. A recipe for 2 kilograms of chocolate chip cookies calls for $\frac{3}{8}$ kg butter. How much butter would needed to make a 6 kilogram batch of cookies?

59. The exchange rate for Euros to Dollars is 1 Euro = 1.256348 Dollars. How many Euros will you get for 150 Dollars?

60. The exchange rate for Yen and Dollars is 1Yen = 0.095673 Dollars. How many Dollars can you get for 3,200 Yen?

AW Math 10   Pretest - Numeracy Skills   Mr. Singh   17/09/2013

1.

2.

3.

4.

5.

6.

7.

8.
Answer: 40

9.
Answer: 30

10.
Answer: 1,490

11.
Answer: 120

12.
Answer: 6,400

13.
Answer: 4,560

14.
Answer: 16,060

15.
Answer: 3.3

16.
Answer: 0.2

17.
Answer: 7.9

18.
Answer: 1.5

19.
Answer: 93

20.
Answer: 2.7

21.
Answer: 2.8

22.
Answer: 4.9

23.
Answer: 1.1

24.
Answer: 7.2

25.
Answer: 47.8

26.
Answer: 7.2

27.
Answer: 9.9

28.
Answer: 6.8

29.
Answer: 2.7

30.
Answer: 2.8

31.
Answer: 46

32.
Answer: true

33.
Answer: true

34.
Answer: true

35.
Answer: false

36.
Answer: true

37.
Answer: true

38.
Answer: 8

39.
Answer: 25

40.
Answer: 81

41.
Answer: 15

42.
Answer: $\frac{5}{2}$

43.
Answer: 7

44.

45.

46.

47.

48.

49.

50.

51.

52.
Answer: $320\,\text{km}$

53.
Answer: $2\frac{2}{3}\,\text{cup}$

54.
Answer: 66

55.
Answer: $75.6\,\text{kg}$

56.
Answer: 72

57.
Answer: 42

58.
Answer: $1\frac{1}{8}\,\text{kg}$

59.
Answer: $1\frac{1}{8}\,\text{kg}$

60.
Answer: $1\frac{1}{8}\,\text{kg}$