

Test 5.1 – Mathematics

CHRISTIAN HIGH SCHOOL EQUIVALENCY EXAM

All the questions are matching. Use the answers provided in each category to use in the blanks by each question. There is only one correct answer for each question. Please write only the letter by each answer to fill in the blank. Fill in each blank with a letter. You will have 90 minutes to complete this test for Math.

Personal Finance

A. sales tax	E. tax	I. overhead	M. interest	Q. endorse
B. withholding tax	F. loss	J. receipt	N. passbook	R. quarterly
C. biweekly	G. discount	K. income	O. collateral	S. mortgage
D. property tax	H. net price	L. deposit	P. default	T. Stock

1. _____ Does not pay.
2. _____ A tax on things you buy.
3. _____ A tax on real estate or personal property.
4. _____ Amount of money subtracted from the sales price.
5. _____ Amount of money earned
6. _____ Every two weeks.
7. _____ Expenses such as heat, lights and salaries.
8. _____ To sign a check on the back on the left handed end.
9. _____ Every three months.
10. _____ A part ownership of a company due to money invested.
11. _____ Income tax withheld from each paycheck and sent to the state or federal government.
12. _____ A written claim to some piece of property.
13. _____ A sum of money placed on a person, property, or income of an individual by a government.
14. _____ The cost of overhead minus the selling price.
15. _____ Money put into an account.
16. _____ Record book for a savings account.
17. _____ Price paid after the discount is subtracted.
18. _____ Charge made for using another's money.
19. _____ A sales slip that is marked paid.
20. _____ Security

Fractions - Measurement

A. centi-	D. liter	G. gram	J. milli-
B. improper fraction	E. mixed number	H. meter	K. least common denominator
C. numerator	F. denominator	I. deci	

21. _____ The bottom term of a fraction.
22. _____ One tenth.
23. _____ The basic unit of weight in the metric system; equal to 0.35 ounces.
24. _____ A number containing a whole number and a fraction.
25. _____ The smallest number that can be divided by two or more different denominators.
26. _____ One hundredth.
27. _____ Basic unit of volume in the metric system; equal to 1.057 quarts.
28. _____ A fraction whose numerator is equal to or greater than the denominator.
29. _____ One thousandth.
30. _____ Basic unit of length in the metric system; equal to 39.37 inches.
31. _____ The top term of a fraction.

Please continue the test on the next page.

General Math Terms

A. product	E. equation	I. mean	M. straight-edge	Q. difference
B. digit	F. formula	J. statistics	N. square root	R. addend
C. numeral	G. negative	K. positive	O. quotient	S. minuend
D. compass	H. sum	L. percent	P. prime numbers	T. divisor

32. _____ A number being added to another number.
33. _____ A mathematical sequence whose verb is equal (=).
34. _____ The result of addition.
35. _____ The number doing the dividing in a division problem.
36. _____ An instrument used to construct straight lines.
37. _____ A mathematical expression of a natural law.
38. _____ The result of multiplication.
39. _____ The number from which another number is being subtracted.
40. _____ Any non-negative numeral less than ten.
41. _____ Less than zero; minus.
42. _____ An instrument used to construct circles and arcs of circles.
43. _____ A number that produces another number (it's square) when multiplied by itself.
44. _____ The result of subtraction.
45. _____ A symbol or name of a number.
46. _____ The average; the sum of the elements divided by the number of elements.
47. _____ The result of division.
48. _____ Parts per hundred; hundredths.
49. _____ Natural numbers greater than one that have no other factors except one and themselves.
50. _____ Set of numerical data.
51. _____ Greater than zero; plus.

Geometry

A. Chord	F. surface area	K. vertex	P. hexagon	U. rhombus
B. diameter	G. right angle	L. point	Q. pentagon	V. triangle
C. radius	H. square	M. ray	R. polygon	W. circumference
D. perimeter	I. Hypotenuse	N. bisect	S. perpendicular	X. cube
E. cylinder	J. obtuse angle	O. arc	T. rectangle	Y. pyramid
				Z. sphere

52. _____ The common end point of the sides of an angle.
53. _____ An angle measuring more than 90° .
54. _____ A long, round object with flat, circular ends.
55. _____ An angle of 90° .
56. _____ The side of a right triangle opposite the right angle.
57. _____ The total area of all the surfaces of an object.
58. _____ To multiply a number by itself.
59. _____ A location; the place where two lines cross or intersect.
60. _____ A closed geometric figure made up of three or more line segments.
61. _____ The perimeter of a circle; the distance around a circle.
62. _____ A shape having the same dimensions of length, height, and width.
63. _____ A half-line with a designated end point which extends in only one direction without stopping.
64. _____ A figure having a polygon base and triangular sides which meet in a point at the top.
65. _____ Divide an angle into two equal angles.
66. _____ A part of a circle.
67. _____ Lines that form right angles at their point of intersection.
68. _____ A five sided polygon.
69. _____ A round figure whose surface is at all points equidistant from the center.
70. _____ A geometric figure having three line segments for sides.

Please continue the test on the back of this page.

71. _____ A quadrilateral where each angle is a right angle.
 72. _____ An equilateral parallelogram.
 73. _____ The distance around a geometric figure.
 74. _____ A segment with end points on the circle.
 75. _____ A chord of a circle that contains the center of a circle.
 76. _____ A segment joining the center of a circle to a point of the circle.
 77. _____ A six sided polygon.

Algebra

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|--|-------------|--------------------|--------------|-------------|
| | A. extremes | C. numerical order | E. ranking | G. exponent |
| | B. graph | D. range | F. variable- | H. algebra |
78. _____ The branch of mathematics that uses letters, called variables, in place of numerals.
 79. _____ The n in X^n indicating the number of factors of X .
 80. _____ Data in order from the smallest to largest or vice-versa.
 81. _____ A pictorial representation of data.
 82. _____ The two outer terms of a proportion.
 83. _____ The difference between the greatest and least numbers in a list of data.
 84. _____ Data organized in ascending or descending order.
 85. _____ A letter that is used in place of a numeral.

Practical Test

Solve each problem below. You may use a piece of scratch paper to work your problems. You do not have to turn in your scratch work sheet. Write only the answer in the space provided for each question.

86. Robert bought a used car for \$1,500.00. If the sales tax is 5%, what will be the total that Robert had to pay for the car? _____
 87. Solve $\frac{2}{3} + \frac{4}{6}$ _____
 88. What is the perimeter of a triangle which sides measure 6, 8, and 10 inches? _____
 89. What would be the radius of a circle with a diameter of 8 inches? _____
 90. Solve $2X + 3 = 9$. $X =$ _____
 91. What is the area of a rectangle with a width of 12 feet and a length of 10 feet? _____
 92. Using the fraction $\frac{4}{6}$, which number is the denominator? _____
 93. What percent of one US dollar is \$.25? _____
 94. Tom, Bill, Susan and Sandy went bowling. Toms' score was 132, Bills' score was 140, Susan scored 145 and Sandys' score was 128. What was the average score of all four bowlers? _____
 95. A dress that sells for \$50.00 now has a 10% discount marked on the tag. How much will you save off the regular price of the dress? _____
 96 Sam bought a pair of socks for \$2.95 and a tie for \$7.50. Ha gave the cashier a twenty dollar bill. How much change should Sam receive from the cashier? _____
 97. A cube measures 3 inches on all of its sides. What is the volume of the cube in inches? _____
 98. Canned corn is on sale at the grocery store, Three cans for a dollar. Another brand is only \$.30 per can, which is the better buy? _____
 99. Your paycheck each week is \$500.00. If you want to save \$2000.00 in one year, how much should you set aside from your paycheck each week? _____
 100. Write the number for six million, four hundred thousand, nine hundred twenty seven.

End of Test.