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\* Math.java

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\* @author:

\* Assignment #:

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\* Brief Program Description:

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public class Math extends Category

{

public Math()

{

super("math");

} public String getQ1()

{

return "2^3 + 3^2\nA.10 B.12 C.18 D.17\nAnswer:";

}

public String getQ2()

{

return "(5!/3!) \* (.9\*10) \* (78/26)\nA.20 B.60 C.540 D.180\nAnswer:";

}

public String getQ3()

{

return "How many total degrees are there among all the angles of a hexagon?\nA.360 B.720 C.1080 D.540\nAnswer:";

}

public String getQ4()

{

return "In a group of 8 players on a trivia team, 6 ate cake, 5 drank soda, and 1 had neither cake nor soda. How many had cake and soda?\nA.8 B.4 C.3 D.16\nAnswer:";

}

public String getQ5()

{

return "A three digit number contains the digits 9, 5, and another digit." +

" When this three digit number is reversed and subtracted from the original number, " +

"the result contains the same three digits as in the original number. " +

"What is the third digit?\nA.4 B.7 C.2 D.3\nAnswer:";

}

public String getQ6()

{

return "You begin writing down the letters of the alphabet in this pattern: You write A one time, B two times, C three times, D four times, and so on. What letter is 100th on the list?\nA.Letter B B.Letter M C.Letter N D.Letter O\nAnswer:";

}

public boolean getA1(String answer)

{

if(answer.equalsIgnoreCase("d"))

{

return true;

}

return false;

}

public String getA1(){

return "d";

}

public boolean getA2(String answer)

{

if(answer.equalsIgnoreCase("c"))

{

return true;

}

return false;

}

public String getA2(){

return "c";

}

public boolean getA3(String answer)

{

if(answer.equalsIgnoreCase("b"))

{

return true;

}

return false;

}

public String getA3(){

return "b";

}

public boolean getA4(String answer)

{

if(answer.equalsIgnoreCase("b"))

{

return true;

}

return false;

}

public String getA4(){

return "b";

}

public boolean getA5(String answer)

{

if(answer.equalsIgnoreCase("a"))

{

return true;

}

return false;

}

public String getA5(){

return "a";

}

public boolean getA6(String answer)

{

if(answer.equalsIgnoreCase("c"))

{

return true;

}

return false;

}

public String getA6(){

return "c";

}

}