## Breaking the Vigenère Cipher

Quiz, 7 questions

1 point		
1.		
What is	the language of <b>secretmessage3.txt</b> ?	
	Danish	
	Dutch	
	English	
$\bigcirc$	French	
	German	
	Italian	
	Portuguese	
	Spanish	
1		
point		
2.		
What is the <u>first line</u> of the message you decrypted from <b>secretmessage3.txt</b> ?		
La chambre à coucher de Juliette.		
1 point		
3.		

What is the language of **secretmessage4.txt**?

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	English
	French
	German
	<b>Italian</b>
	Portuguese
	Spanish
	1
	point
	4. What is the <u>first line</u> of the message you decrypted from
	secretmessage4.txt?
	Drei Hexen treten auf.
	1 point 5.
	Recall that the choice to test key lengths 1–100 was arbitrary, and that the longer a key is with respect to an encrypted message, the less likely this Vigenère decryption algorithm is to work.
	How long would a key have to be, so that you could gain <u>no information</u> about an original message by analyzing the encrypted message?
	1/26 the message length
	Half the message length
	Exactly the message length

12/22/2011	There is no key length that ensures an unbreakable Vigenère
Breaking th	implementation. Le Vigenère Cipher
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	1 point
	6.
	The Vigenère decryption algorithm used in this lesson has limitations.
	In which of the following scenarios could the program return incorrect results? (Select all that are correct.)
	The language of the original message has multiple letters of comparable high frequency.
	The language of the original message has an unusual letter that is highest in frequency (not 'e' or 'a').
	The language of the original message is not included in the dictionaries.
	The language of the original message has many characters not in the English alphabet.
	The language of the original message when written in sentences has different letter frequencies than the sum of individual words in the dictionary.
	1 point
	7. Consider the Vigenère decryption algorithm described in this lesson.
	Which one of the following could be a problem?
	The key length is long compared with the message.
	The message is long compared with the key length.
	Neither—the key length compared with the message is unimportant.