Decision Focus #6 - Important Information Quiz



Educators Answer Key

Instructions: For multiple choice questions, unless a question says, "Multiple answers allowed but not required", select the **BEST** of the available answers.

Name*	
Email*	_

- 1. What are values?
 - a. Wants
 - b. Needs
 - c. Likes
 - d. Dislikes
 - e. The thing we care about
 - f. All of the above
- 2. What is an alternative? ***Multiple answers allowed but not required
 - a. A choice
 - b. One of multiple courses of action
 - c. An option
 - d. An engine part
 - e. A selection
 - f. All of the above
- 3. How can I know if I'm making a good quality decision?
 - a. I've worked through the decision process
 - b. I'm well rested, not emotional or stressed and have slept on it.
 - c. I've applied critical thinking to the decision
 - d. I've put all of the information in a weight and rate table
 - e. I've gotten expert advice from someone who made a similar decision
 - f. I've considered risks and rewards
 - a. All of the above
- 4. What are the steps in the decision chain?
 - a. Observe, orient, decide, act
 - b. Plan, do, check, act
 - c. Frame, values, alternatives, information, reasoning, commitment
 - d. Plan, do, observe, orient, check, repeat
 - e. Commit, measure, track, monitor, trigger
- 5. Understanding probabilities is extremely important for some decisions. There are 2 basic types of probability, independent probabilities and dependent probabilities. Which answer best describes **dependent** probabilities? ***Multiple answers allowed but not required

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- a. If thing "A" happens, then it's more likely thing "B" will happen
- b. If thing "A" happens, then it's less likely thing "B" will happen
- c. If thing "A" happens, it's equally likely that thing "B" will happen
- d. If thing "B happens, it's more likely thing "A" happened
- e. None of the above
- f. All of the above except e.
- 6. Understanding probabilities is extremely important for some decisions. There are 2 basic types of probability, independent probabilities and dependent probabilities. Which answer best describes **independent** probabilities? ***Multiple answers allowed but not required
 - a. If thing "A" happens, then it's more likely thing "B" will happen
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 - d. If thing "B happens, it's more likely thing "A" happened
 - e. None of the above
 - f. All of the above except e.
- 7. When "A" happens, then the odds of seeing "B" change. This is called:
 - a. A dependent probability
 - b. An independent probability
 - c. A long shot
 - d. Confidence rating
- 8. A decision tree helps to compare the odds of different options. To calculate the odds of a dependent probability, what math operation must you do?
 - a. Addition
 - b. Subtraction
 - c. Multiplication
 - d. Division
 - e. Exponentiation
- 9. All of the probabilities of the different options must add up to 100%.
 - a. True
 - b. False
- 10. When you feel 100% certain about a decision:
 - a. Go with it.
 - b. Be extra careful because you might have a math error
 - c. Be extra careful because you may be wrong
 - d. Check your assumptions to make sure they are correct.

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11. Does the	e lizard brain do complex probability calculations?			
a.				
b.	No			
12. "Think twice about your information." means to think about: a. How reliable is the information you have?				
	Do you have enough information to make an informed decision?			
C.	How hard would it be to get the information I'd like to have?			
	Is it worth more time or effort to get more information?			
	Would the decision change if I had other information?			
Ť. <i>i</i>	All of the above			
13. *** Extra credit*** How many advantages can you name for understanding probability?				
a				
b				
C				
d.				
e				
f				



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Answers are given in **bold**.

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 - e. None of the above



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 - c. Be extra careful because you may be wrong
 - d. Check your assumptions to make sure they are correct.
- 11. Does the "lizard brain" part of our mind do complex probability calculations?
 - a. Yes
 - b. No



12.	"Think twice about your information."	" means to think about:	***Multiple answers allowed
	but not required		

- a. How reliable is the information you have?
- b. Do you have enough information to make an informed decision?
- c. How hard would it be to get the information I'd like to have?
- d. Is it worth more time or effort to get more information?
- e. Would the decision change if I had other information?
- f. All of the above

13.		ra credit*** How many advantages can you name for understanding probability? examples given but your students may come up with more. Ideas for a group sion
	a.	More confidence in your choice
	b.	Better at dealing with uncertainty
	C.	Won't miss some opportunities
	d.	Easy to explain why I made this choice
	e.	
	f.	