\_\_\_\_ 8. 

|  |  |  |  |
| --- | --- | --- | --- |
| a. | One in four | c. | Three in four  |
| b. | Two in four | d. | Four in four |

\_\_\_\_ 9. 

POSSIBLE SIRES

|  |  |  |  |
| --- | --- | --- | --- |
| a. |  | c. |  |
| b. |  | d. |  |

\_\_\_\_ 10. **In cows, long hair is dominant to short hair. In a cow that is heterozygous for long hair, what percentage of the cells undergoing meiosis will carry the dominant allele?**

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 25% | c. | 75% |
| b. | 50% | d. | 100% |

\_\_\_\_ 11. 

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 2 red-eyed females; 2 white-eyed males | c. | 1 red-eyed female and 1 white-eyedfemale; 2 red-eyed males |
| b. | 2 red-eyed females; 1 red-eyed male, 1 white-eyed male | d. | 2 white-eyed females; 1 white-eyed male and 1 red-eyed male |

\_\_\_\_ 12. 

|  |  |  |  |
| --- | --- | --- | --- |
| a. | The sex | c. | Trisomy |
| b. | The age | d. | Gene dominance |

\_\_\_\_ 13. 

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 75% | c. | 25% |
| b. | 50% | d. | 0% |

\_\_\_\_ 14. 

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 1 | c. | 3 |
| b. | 2 | d. | 4 |

\_\_\_\_ 15. **Himalayan rabbits are white with black fur on their ears and the tips of their feet. If an icepack is placed on a rabbit? ’s back, the fur will grow in black. In this case, hair color is determined by ?**

|  |  |  |  |
| --- | --- | --- | --- |
| a. | length of fur | c. | environmental conditions  |
| b. | competition | d. | predation pressure |