

Maths in the Wild: The Maths and Neuroscience of Walking- MCQs (Answers)

1. Which sense is most important for balance? (Answer: D)
 - A. Visual
 - B. Auditory
 - C. Taste
 - D. Vestibular
2. Which sense tells you where your limbs are? (Answer: B)
 - A. Vision
 - B. Proprioception
 - C. Hearing
 - D. Taste
3. Why combine sensory information? (Answer: B)
 - A. Increase confusion
 - B. Reduce error
 - C. Slow decisions
 - D. Ignore senses
4. Which experiment removes visual information? (Answer: A)
 - A. Blindfold
 - B. VR
 - C. Memory task
 - D. Graph
5. What happens to memory with more objects? (Answer: C)
 - A. Improves
 - B. Stays same
 - C. Perfect
 - D. Gets worse

6. Which condition is most accurate for walking? (Answer: C)

- A. Vision only
- B. Body only
- C. Combined
- D. No cues

7. What does sensory weighting mean? (Answer: B)

- A. Ignore senses
- B. More trust in reliable cues
- C. Use muscles
- D. Only vision

8. Why use virtual reality? (Answer: D)

- A. Entertainment
- B. Improve memory
- C. Remove walking
- D. Control Sensory Information

9. How does maths help this research? (Answer: B)

- A. Decoration
- B. Prediction
- C. Entertainment
- D. Guessing