



MCAMC Sample Answers

Individual Round

- | | |
|--------------------|-----------------------------|
| 1. -5 | 11. 81 |
| 3. 50 | 13. $\frac{232}{243}$ |
| 5. January 2 | 15. 144 |
| 7. $\frac{60}{13}$ | 17. 5 |
| 9. Alice | 20. $\frac{12}{5}$ or 2.4 |

Team Round

- | | |
|-----------------------|------------|
| 1. 6 | 6. 2 |
| 2. 14 | 7. 1 |
| 3. 12 | 8. $a = b$ |
| 4. 22920 | 9. always |
| 5. $\log_a(b \div c)$ | 10. 2 |

Live Round

- | | |
|------------------|-----------------------|
| 1. 8 | 13. $\frac{1}{\pi-1}$ |
| 2. 5 | 14. $\$2.50$ |
| 3. 16 | 15. 494 |
| 7. 16 | 22. $\frac{51}{101}$ |
| 8. 32 | 23. 1209 |
| 9. $\frac{1}{8}$ | 24. $\frac{117}{256}$ |

If you believe that these answers contain a mistake, feel free to contact us at mcamathleague@gmail.com.