

SPEED ROUND SOLUTION KEY

Here are all acceptable answers. If you find an answer that is correct, but is not on this list, please immediately bring it to the attention of Antonio, Allen, Akshay, David, or Richard.

- | | | | |
|--------------------------------------|----------------------|------------------------|--------------------------------------|
| 1. $\frac{50}{1.851}$ | 7. $\frac{0.5}{1/2}$ | 13. $\frac{42}{42.00}$ | 19. $\frac{1/3}{1:3}$
$0.\bar{3}$ |
| 2. 8 | 8. 84 | 14. 181 | 20. $\frac{5}{5.00}$ |
| 3. 4 | 9. 5 | 15. 4 | 21. 4060223 |
| 4. $\frac{5/6}{5:6}$
$0.8\bar{3}$ | 10. 30 | 16. 31 | 22. 12 |
| 5. 9 | 11. $32/81$ | 17. 56 | 23. 9901 |
| 6. 45 | 12. 1 | 18. 85 | 24. $5\sqrt{13}$ |
| | | | 25. $\frac{182}{182:243}$ |

ACCURACY ROUND SOLUTION KEY

Here are all acceptable answers. If you find an answer that is correct, but is not on this list, please immediately bring it to the attention of Antonio, Allen, Akshay, David, or Richard.

1. 89

6. $3\sqrt{7}$

2. 32

7. 23

3. 6

8. -1

4. 4

9. 120

5. (504, 504, 504, 505)

10. 42

TEAM ROUND KEY

Round 1

1. 100π

2. 4

3. 91

Round 2

1. 6

2. 84

3. 2017

Round 3

1. $2 : 1$ or 2 or $2/1$

2. 11

3. $\frac{120}{13}$

Round 4

1. 7

2. 20

3. 1

Round 5

1. $13 + 4\sqrt{3}$

2. 16

3. 673

Round 6

1. $\frac{7}{61}$

2. $1/125$ or $1 : 125$

3. 1895

Round 7

1. 764

2. $(1, -6)$

3. $1/3$ or $0.\overline{3}$

Round 8

1. 1586

Graders: Input the answer the contestants give into the grading spreadsheet for their team.