

2021 Math Challengers Regional Answer Key (Blitz, Bull's Eye, and Co-op)

Blitz, Page 1

1.  $5/12$
2. 2160(\$)
3. 1125 or 1125.00 (\$)
4. 189
5.  $\frac{1}{3}$
6. 59
7. 1261

Blitz, Page 2

8. 30
9.  $\frac{1}{2}$
10. 900
11. 0
12. 120 (sec)
13. 11.1%
14. 4

Blitz, Page 3

15. 306
16. 163
17. 275
18. 264
19. 11
20. 7

Blitz, Page 4

21. 9%
22.  $\frac{16}{3}cm$
23.  $15^\circ$
24.  $\frac{1}{6}$
25.  $\frac{2}{33}$
26.  $100(m)$

Bull's Eye, Page 1

1.  $260(mg)$
2.  $500(m)$
3.  $1(m/s)$
4.  $\frac{19}{495}$

Bull's Eye, Page 2

5. 102
6. 15
7. 7
8. 36

Bull's Eye, Page 3

9. 8
10.  $21(cm^2)$
11.  $198(cm^3)$
12.  $6(cm)$

Co-op, Page 1

1.  $15(km/hr)$
2. 9
3. 67.5
4. 20
5. 0.42

Co-op, Page 2

6. 120 000
7. 3
8. 20
9. 100
10.  $\frac{3}{2}$

Co-op, Page 3

11. 120
12.  $\frac{5}{36}$
13. 3
14.  $2.28(m)$
15. 15