

PIMS Elementary Grades Math Competition  
29 April 2006  
Sprint and Target Rounds - Solutions  
Grade Five Division

Sprint Round:

Page 1:

1. 9
2. 12
3. 40404
4. 20
5. s
6. 25
7. 46
8. 2
9. 375

Page 2:

10. 1200
11. 2500
12. 19
13.  $\frac{1}{12}, (\frac{2}{24}, \frac{3}{36})$
14. 27
15. 88
16.  $\frac{3}{8}, (\frac{6}{16}, \frac{9}{24})$
17. 183
18. 891

Page 3:

19. 35
20. 128
21. -8
22.  $\frac{1}{5}, (\frac{2}{10}, \frac{3}{15})$
23. 60
24. 16
25.  $\frac{180}{7}, (25\frac{5}{7})$
26. 15

Target Round:

Page 1:

1. 10101
2. 24
3. 26
4.  $\frac{5}{21}, (\frac{10}{42}, \frac{15}{63})$

Page 2:

5. 50
6.  $\frac{1}{4}, (\frac{2}{8}, \frac{3}{12})$
7. -14
8. 61

Page 3:

9. 30
10. 75
11. 7
12. 44

Grade Six Division

Sprint Round:

Page 1:

1. 9
2. 36
3. 16
4. 48
5. s
6. 750
7. 46
8. 4
9. 375

Page 2:

10. 22
11. 2500
12.  $\frac{3}{8}, (\frac{6}{16}, \frac{9}{24})$
13.  $\frac{1}{12}, (\frac{2}{24}, \frac{3}{36})$
14. 27
15. 88
16.  $\frac{3}{16}, (\frac{6}{32}, \frac{9}{48})$
17. 183
18. 9702

Page 3:

19. 35
20. 160
21. 0
22.  $\frac{1}{5}, (\frac{2}{10}, \frac{3}{15})$
23. 60
24. 81
25.  $\frac{180}{7}, (25\frac{5}{7})$
26. 24

Target Round:

Page 1:

1. 1001001
2. 36
3. 26
4.  $\frac{5}{21}, (\frac{10}{42}, \frac{15}{63})$

Page 2:

5. 51
6.  $\frac{4}{5}, (\frac{8}{10}, \frac{12}{15})$
7. -14
8. 61

Page 3:

9. 45
10. 75
11. 7
12. 47

Grade Seven Division

Sprint Round:

Page 1:

1. 9

2. 48

3. 36

4. 32

5. s

6. 5

7. 46

8.  $3\sqrt{2}, \sqrt{18}$

9. 375

Page 2:

10. 47

11. 2500

12. 63

13.  $\frac{1}{12}, (\frac{2}{24}, \frac{3}{36})$

14. 36

15. 88

16.  $\frac{3}{32}, (\frac{6}{64}, \frac{9}{96})$

17. 183

18. 98901

Page 3:

19. 35

20. 181

21.  $-\frac{8}{9}, (-\frac{16}{18}, -\frac{24}{27})$

22.  $\frac{13}{45}, (\frac{26}{90})$

23. 60

24. 729

25.  $\frac{180}{7}, (25\frac{5}{7})$

26. 64

Target Round:

Page 1:

1. 100010001

2. 60

3. 26

4.  $\frac{5}{21}, (\frac{10}{42}, \frac{15}{63})$

Page 2:

5. 52

6.  $\frac{3}{5}, (\frac{6}{10}, \frac{9}{15})$

7. -14

8. 61

Page 3:

9. 35

10. 75

11. 7

12. 63