

## Top Score Mathematics 6 Answers to Problems Sets

### Problem Set 1

- 521
- 316
- 299
- 452
- 14.06
- 4.29
- 51.36
- 41.2
- $\frac{11}{15}$
- $\frac{2}{9}$
- $\frac{1}{12}$
- $1\frac{1}{10}$
- 8.3
- 5.2
- 2.4
- 9.0
- $\frac{3}{4}$
- $\frac{5}{6}$
- $\frac{4}{5}$
- $\frac{4}{9}$

### Problem Set 2

- 229
- 195
- 595
- 363
- 19.93
- 2.21
- 45.72
- 117
- $1\frac{5}{12}$
- $\frac{17}{24}$
- $\frac{1}{5}$
- $1\frac{7}{20}$
- 6.4
- 2.7
- 0.1
- 0.5
- $\frac{2}{5}$
- $\frac{1}{6}$
- $\frac{2}{9}$
- $\frac{3}{4}$

### Problem Set 3

- 382
- 327
- 644
- 541
- 14.96
- 1.18
- 0.392
- 1791
- $\frac{17}{24}$
- $\frac{2}{9}$
- $\frac{3}{10}$
- $\frac{11}{15}$
- 8.4
- 3.6
- 5.1
- 7.9
- $\frac{2}{9}$
- $\frac{9}{10}$
- $\frac{6}{7}$
- $\frac{2}{5}$

### Problem Set 4

- 914
- 415
- 1792
- 874
- 22.67
- 4.84
- 0.0324
- 23.7
- $1\frac{7}{18}$
- $\frac{2}{15}$
- $\frac{5}{9}$
- $\frac{1}{30}$
- 0.7
- 1.4
- 16.9
- 4.1
- $\frac{5}{8}$
- $\frac{1}{6}$
- $\frac{2}{3}$
- $\frac{2}{3}$

**Problem Set 5**

- 398
- 185
- 2436
- 992
- 15.664
- 1.109
- 0.715
- 22.3
- $1\frac{5}{24}$
- $\frac{1}{4}$
- $1\frac{3}{20}$
- $\frac{1}{12}$
- 6.3
- 3.8
- 8.1
- 5.5
- $\frac{2}{3}$
- $\frac{7}{12}$
- $\frac{3}{8}$
- $\frac{4}{9}$

**Problem Set 6**

- 628
- 623
- 2886
- 526
- 12.92
- 5.805
- 2.048
- 46.2
- $1\frac{7}{12}$
- $\frac{1}{10}$
- $\frac{13}{24}$
- $\frac{5}{21}$
- 3.1
- 45.1
- 7.2
- 3.1
- $1\frac{2}{3}$
- $2\frac{5}{6}$
- $3\frac{4}{5}$
- $4\frac{10}{11}$

**Problem Set 7**

- 591
- 277
- 1560
- 521
- 10.77
- 3.14
- 2.247
- 28.16
- $4\frac{1}{3}$
- $4\frac{5}{12}$
- $\frac{2}{7}$
- 1
- 42.7
- 536.2
- 0.42
- 3246
- 12
- 5
- 53
- 14

**Problem Set 8**

- 1002
- 559
- 2850
- 167
- 12.96
- 3.62
- 0.0936
- 14.76
- $5\frac{1}{12}$
- $4\frac{1}{6}$
- $\frac{9}{20}$
- $\frac{1}{3}$
- 183.9
- 21,155
- 72.634
- 849.9
- 15
- 10
- 16
- 11

**Problem Set 9**

- 502
- 457
- 5270
- 226
- 13.65
- 3.27
- 0.1485
- 9.36
- $8\frac{11}{15}$
- $3\frac{7}{15}$
- $\frac{2}{9}$
- $1\frac{1}{2}$
- 612.95
- 2.337
- 8136.2
- 46,118
- 27
- 47
- 15
- 10

**Problem Set 10**

- 661
- 739
- 4002
- 332
- 13.315
- 1.62
- 0.1633
- 365.7
- $7\frac{7}{8}$
- $6\frac{1}{2}$
- $\frac{3}{10}$
- $4\frac{2}{3}$
- 3704
- 23.09
- 809.02
- 78,440
- 108
- 29
- 56
- 91

**Problem Set 11**

- 767
- 741
- 3315
- 306
- 13.396
- 5.208
- 0.3444
- 28.22
- $5\frac{7}{8}$
- $5\frac{1}{24}$
- $\frac{2}{3}$
- 7
- 209.3
- 64.71
- 2621.8
- 39.06
- 32
- 25
- 21
- 54

**Problem Set 12**

- 467
- 643
- 6132
- 416
- 14.761
- 3.844
- 0.4984
- 48.53
- $13\frac{5}{12}$
- $7\frac{1}{15}$
- $\frac{3}{14}$
- 2
- 6127
- 3.5
- 50.273
- 58,290
- 28
- 77
- 1
- 132

**Problem Set 13**

- 1081
- 1049
- 9576
- 421 R2 or  $421\frac{2}{23}$
- 17.223
- 2.19
- 0.1744
- 9.15
- $14\frac{1}{12}$
- $3\frac{1}{3}$
- $10\frac{1}{2}$
- $1\frac{1}{2}$
- 5
- 2
- 231
- 36
- 0.9
- 0.415
- 0.13
- 0.016

**Problem Set 14**

- 1236
- 2533
- 26,877
- 102
- 27.56
- 3.47
- 0.6867
- 28.07
- $8\frac{1}{3}$
- $5\frac{7}{10}$
- 26
- $1\frac{1}{4}$
- 15
- 16
- 45
- 84
- 0.2
- 0.42
- 0.543
- 0.05

**Problem Set 15**

- 1280
- 2726
- 6312
- 26 R14 or  $26\frac{14}{67}$
- 84.43
- 4.212
- 1.7325
- 13.75
- $14\frac{5}{24}$
- $6\frac{1}{2}$
- 40
- $2\frac{2}{15}$
- 12
- 9
- 72
- 300
- 1.3
- 1.47
- 0.092
- 0.6419

**Problem Set 16**

- 1093
- 4818
- 33,012
- 36 R7 or  $36\frac{7}{38}$
- 101.04
- 2.561
- 2.5871
- 63.9
- $11\frac{1}{6}$
- $1\frac{7}{12}$
- 70
- $\frac{4}{25}$
- 7
- 9
- 144
- 78
- $\frac{9}{10}$
- $\frac{349}{1000}$
- $\frac{1}{20}$
- $\frac{61}{1000}$

**Problem Set 17**

1. 1755
2. 1028
3. 40,768
4. 503
5. 98.37
6. 6.413
7. 0.648
8. 39.1
9.  $16\frac{1}{8}$
10.  $6\frac{1}{6}$
11. 15
12.  $\frac{5}{6}$
13. 7
14. 8
15. 99
16. 144
17.  $\frac{4}{5}$
18.  $\frac{23}{1000}$
19.  $\frac{7}{50}$
20.  $\frac{19}{1000}$

**Problem Set 18**

1. 816
2. 2139
3. 20,636
4. 82 R30 or  $82\frac{30}{41}$
5. 17.783
6. 2.805
7. 3.21
8. 38.15
9.  $10\frac{3}{10}$
10.  $4\frac{1}{2}$
11. 12
12.  $2\frac{4}{5}$
13. 7
14. 9
15. 180
16. 66
17.  $4\frac{97}{100}$
18.  $15\frac{31}{1000}$
19.  $\frac{9}{10000}$
20.  $104\frac{67}{100}$

**Problem Set 19**

1. 2412
2. 509
3. 29,736
4. 620
5. 18.194
6. 5.87
7. 14.766
8. 17.1
9.  $16\frac{7}{12}$
10.  $7\frac{1}{2}$
11. 8
12. 2
13. 7.2
14. 1.00
15. 1.230
16. 5
17. 9
18. 7
19. 25
20. 8

**Problem Set 20**

1. 1622
2. 1233
3. 43,416
4. 90 R6 or  $90\frac{3}{28}$
5. 25.521
6. 0.585
7. 35.154
8. 4.64
9.  $25\frac{5}{8}$
10.  $14\frac{7}{12}$
11. 8
12. 4
13. 9.0
14. 4.85
15. 3.800
16. 9
17. 8
18. 4
19. 81
20. 6

**Problem Set 21**

1. 1970
2. 3626
3. 67,704
4. 408
5. 26.456
6. 8.69
7. 11.288
8. 51.68
9.  $25\frac{11}{12}$
10.  $17\frac{13}{20}$
11. 10
12.  $10\frac{1}{5}$
13. 0.1
14. 12.00
15. 3.477
16. 9
17. 100
18. 3
19. 64
20. 5

**Problem Set 22**

1. 2961
2. 2218
3. 18,981
4. 703
5. 27.264
6. 0.1339
7. 3.575
8. 63
9.  $26\frac{7}{24}$
10.  $14\frac{7}{12}$
11. 42
12. 4
13. 0.2
14. 5.22
15. 6.110
16. 10
17. 36
18. 12
19. 27
20. 10

**Problem Set 23**

1. 3230
2. 2328
3. 32,544
4. 64
5. 32.235
6. 0.0769
7. 84.42
8. 16.065
9.  $42\frac{7}{15}$
10.  $8\frac{13}{24}$
11.  $3\frac{3}{5}$
12. 2
13. 3.7
14. 0.11
15. 2.882
16. 4
17. 121
18. 30
19. 400
20. 2

**Problem Set 24**

1. 2433
2. 1889
3. 17,632
4. 406 R21 or  $406\frac{21}{22}$
5. 27.305
6. 0.0179
7. 25.568
8. 2.58
9.  $34\frac{2}{9}$
10.  $18\frac{5}{18}$
11. 15
12.  $6\frac{1}{14}$
13. 2.8
14. 9.90
15. 3.989
16. 4
17. 144
18. 20
19. 125
20. 12