

REMT 2008

ANSWERS



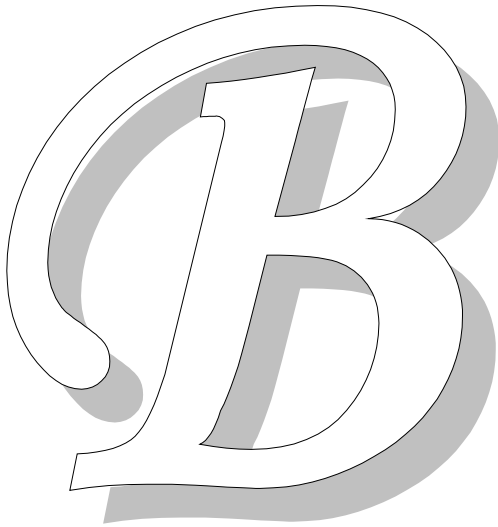
ARITHMETICAL

ANALYSIS

- | | |
|-----|----------------|
| 1. | 10100 |
| 2. | 72 |
| 3. | $\frac{11}{6}$ |
| 4. | 41 |
| 5. | 504 |
| 6. | 64 |
| 7. | 19 |
| 8. | $\frac{5}{12}$ |
| 9. | $\frac{2}{3}$ |
| 10. | 49 |
| 11. | 175 |
| 12. | 36 |
| 13. | 124 |
| 14. | 23 |
| 15. | 18 |

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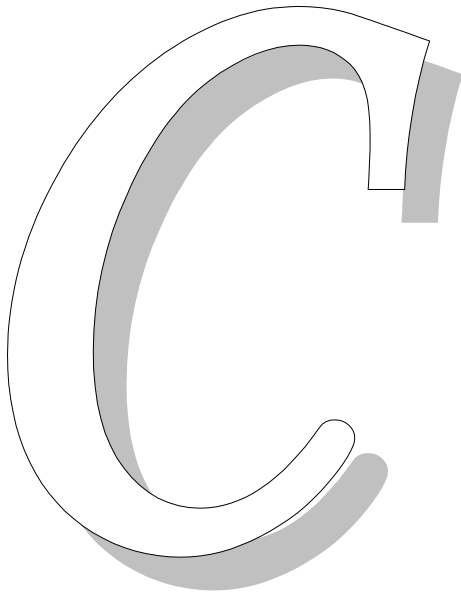
CALCULATIONAL

COMPUTATION

1. 10000
2. $5 - \sqrt{2}$
3. 91
4. 57
5. 175
6. $x^7 y^2 z$
7. $\frac{x+2}{x+4}$
8. $\frac{2x}{x-4}$
9. 24
10. $\frac{5s}{s-3}$
11. 24
12. 56
13. 36
14. 23
15. 18

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MATHEMATICAL

MANIPULATION

1. $\frac{x+2}{x+4}$
2. $\frac{2x}{x-4}$
3. 24
4. $\frac{5s}{s-3}$
5. 4
6. $2x+1$
7. $\frac{4}{3}$
8. 6
9. $\frac{1}{2}$
10. $\frac{1}{6}$
11. 15.7
12. $\cot x$
13. 1120
14. 21
15. 14

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SHAPES AND SIZES

1.	right triangle	13.	35
2.	right triangle	14.	34
3.	isosceles triangle	15.	70
4.	trapezoid	16.	12
5.	hexagon	17.	50
6.	octagon	18.	201
7.	cylinder	19.	40
8.	prism	20.	80
9.	cone	21.	550
10.	ellipse	22.	750
11.	parabola	23.	160
12.	diameter	24.	15

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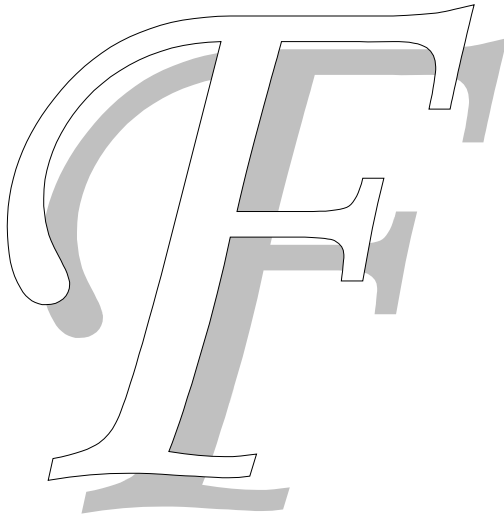
GEOMETRICAL

GEMS

- | | |
|-----|-----------------|
| 1. | 12 |
| 2. | 50 |
| 3. | 201 |
| 4. | 60 |
| 5. | 360 |
| 6. | 160 |
| 7. | 15 |
| 8. | 8 |
| 9. | 25 |
| 10. | $\frac{2}{\pi}$ |
| 11. | $5\sqrt{2}$ |
| 12. | 6283 |

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MATHEMATICAL

THOUGHT

- | | |
|-----|-----------------|
| 1. | 20 |
| 2. | 450 |
| 3. | 8 |
| 4. | 7 |
| 5. | 3.1 |
| 6. | 40 |
| 7. | 48 |
| 8. | $\frac{11}{36}$ |
| 9. | 46656 |
| 10. | 18 |
| 11. | 10:18 |
| 12. | 15 |
| 13. | 4.20 |
| 14. | 16 |
| 15. | 23 |

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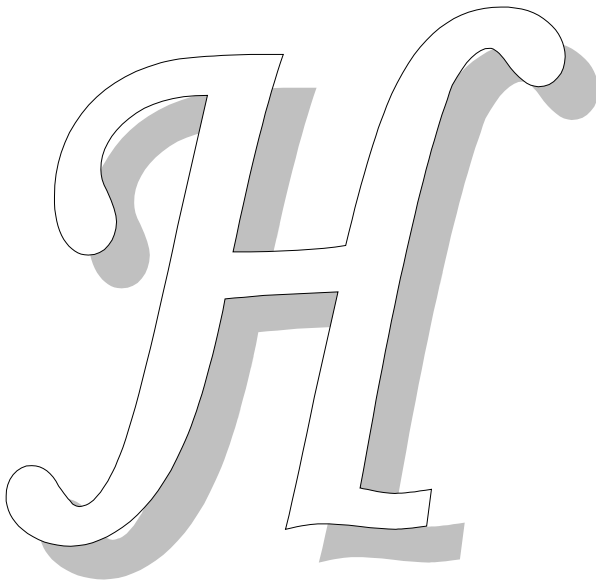
MATHEMATICAL

REASONING

1. 37
2. $\frac{10}{21}$
3. 9
4. 28080
5. 25
6. $\frac{5}{9}$
7. $\frac{4}{3}$
8. 30
9. 3.6
10. 1.5
11. 14
12. 15
13. 4.20
14. 16
15. 23

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ANSWERS



MATHEMATICAL

LOGISTICS

1. 37
2. $\frac{10}{21}$
3. 9
4. 28080
5. 45
6. $\frac{5}{12}$
7. $\frac{4}{3}$
8. 4
9. $\frac{3}{7}$
10. 30
11. 3.6
12. 1.5
13. 84
14. $\frac{3}{10}$
15. 23