

Answers for Speed Enhancement Tests - 1 to 30

Speed Enhancement Test - 1

- | | | | |
|-----------|------------|----------------------|---------|
| 1. 18521 | 8. 208962 | 15. 17.27% | 21. 103 |
| 2. 130827 | 9. 200376 | 16. $\frac{11}{20}$ | 22. 729 |
| 3. 19512 | 10. 319140 | 17. $\frac{14}{26}$ | 23. 8 |
| 4. 289358 | 11. 9.9% | 18. $\frac{24}{80}$ | 24. 173 |
| 5. 84096 | 12. 36.33% | 19. $\frac{102}{88}$ | 25. 83 |
| 6. 478825 | 13. 68.15% | 20. $\frac{18}{32}$ | |
| 7. 236672 | 14. 12.76% | | |

Speed Enhancement Test - 2

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|------------|----------------------------|-----------------------|
| 1. 79960 | 13. 672 | 22. $\frac{277}{168}$ |
| 2. 377774 | 14. HCF = 36,
LCM = 576 | 23. $\frac{23}{12}$ |
| 3. 219575 | 15. HCF = 85
LCM = 8925 | 24. $\frac{95}{32}$ |
| 4. 60432 | 16. 169.36 | 25. $\frac{13}{72}$ |
| 5. 3059 | 17. 610.56 | |
| 6. 24966 | 18. 53.11% | |
| 7. 50840 | 19. 28% | |
| 8. 994005 | 20. 571.565 | |
| 9. 630436 | 21. $\frac{151}{51}$ | |
| 10. 249951 | | |
| 11. 903 | | |
| 12. 9996 | | |

Speed Enhancement Test - 3

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|---------------------|-------------------------|-------------------------|
| 1. 684978 | 12. $\frac{24}{95}$ | 19. LCM = 324, HCF = 27 |
| 2. 409032 | 13. $\frac{67}{51}$ | 20. LCM = 372, HCF = 62 |
| 3. 762603 | 14. $\frac{68}{204}$ | 21. 15657 |
| 4. 285254 | 15. $\frac{21}{106}$ | 22. 435 |
| 5. 625408 | 16. LCM = 384, HCF = 32 | 23. 2250 |
| 6. 122.18 | 17. LCM = 5236, HCF = 1 | 24. 8894 |
| 7. 865 | 18. LCM = 920, HCF = 23 | 25. 11853 |
| 8. 3612.8 | | |
| 9. 6274.296. | | |
| 10. 450% | | |
| 11. $\frac{37}{75}$ | | |

Speed Enhancement Test - 4

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|--|-------------|
| 1. 242 | 11. 38948 |
| 2. 11 | 12. 29101 |
| 3. 11 | 13. 14448 |
| 4. 74 | 14. 1188 |
| 5. 336 | 15. 3732 |
| 6. $\frac{21}{25}$ | 16. 1196.16 |
| 7. $\frac{65}{72}$ | 17. 801.64 |
| 8. $\frac{247}{132}$ | 18. 326.4 |
| 9. $\frac{16}{45}$ | 19. 4852.98 |
| 10. $\frac{49}{101}$, $\frac{91}{227}$, $\frac{87}{260}$, $\frac{74}{223}$, $\frac{65}{229}$ | 20. 32.73% |
| | 21. 467558 |
| | 22. 774795 |
| | 23. 578512 |
| | 24. 288192 |
| | 25. 559206 |

Speed Enhancement Test - 5

- 1182.2
- 1825.9
- 3288.6
- 3520.32
- 1732.836
- 129032
- 199375
- 497984
- 417690
- 689976
- $55/92 < 34/56 < 60/96 < 48/74$
- $27/89 > 34/123 > 13/54 > 43/185$
- 27
- $131/293 < 54/87 < 93/123 < 83/99$
- $50/92 > 49/91 > 48/90 > 47/89$
- 24156
- 26398
- 81250
- 223508
- 28322
- LCM = 540, HCF = 9
- LCM = 360, HCF = 9
- LCM = 504, HCF = 7
- LCM = 1920, HCF = 16
- LCM = 256, HCF = 32

Speed Enhancement Test - 6

- 163782
- 113216
- 227682
- 47472
- 99820
- 22577
- 29081
- 13178
- 35330
- 10929
- 3080.8635
- 2489.1838
- 7733.6344
- 1345
- 934
- $113/225 < 95/189 < 78/155 < 45/89$
- $125/54 > 94/45 > 189/92 > 58/32$
- 412
- $\frac{55}{48}$
- $\frac{30}{41}$
- LCM = 1782, HCF = 18
- LCM = 10472, HCF = 34
- LCM = 2898, HCF = 23
- LCM = 7800, HCF = 1
- LCM = 18513, HCF = $\frac{1}{6264}$

Speed Enhancement Test - 7

- 892
- 735
- 998
- 659
- 786
- 65394
- 629038
- 592752
- 118809
- 45387
- 26319
- 32819
- 11771
- 40717
- 30599
- $\frac{25}{16}$
- $\frac{271}{1140}$
- $\frac{94}{30} < \frac{79}{25} < \frac{61}{19} < \frac{55}{17} < \frac{43}{13}$
- $\frac{72}{95}, \frac{23}{35}, \frac{123}{196}, \frac{81}{152}, \frac{46}{93}$
- (a) $\frac{44}{127} > \frac{63}{197}$
- (b) $\frac{235}{704} > \frac{326}{983}$
- C
- B
- B
- A
- D

Speed Enhancement Test - 8

- 122475
- 536121
- 594072
- 90774
- 384741
- 2745.96
- 438.78
- 424.48
- 326.2
- 0.198
- $\frac{11}{50} < \frac{15}{62} < \frac{65}{184} < \frac{44}{123}$
- $\frac{9}{23} > \frac{18}{73} > \frac{11}{56} > \frac{22}{145}$
- $\frac{101}{330}$
- $\frac{169}{64}$
- $\frac{15}{161}, \frac{18}{199}, \frac{14}{157}, \frac{12}{151}, \frac{13}{170}$
- HCF = 57, LCM = 684
- HCF = 16, LCM = 960
- HCF = $\frac{17}{484}$, LCM = $\frac{102}{11}$
- HCF = 31, LCM = 1240
- HCF = 32, LCM = 1152
- 29164
- 47100
- 14184
- 16441
- 15220

Speed Enhancement Test - 9

1. 22.94%
2. 3474.24
3. 6136
4. 48.249
5. 38.13%
6. LCM = 288, HCF = 24
7. LCM = 1008, HCF = 28
8. LCM = 1332, HCF = 37
9. LCM = 432, HCF = 12
10. LCM = 1116, HCF = 31
11. $\frac{10}{39}$
12. $\frac{493}{231}$
13. $\frac{77}{400}$
14. $58/45 < 45/34 < 78/43 < 179/94$
15. $98/78$
16. 160000
17. 290665
18. 405820
19. 489424
20. 429722
21. 637
22. 2161
23. 117836
24. 3484
25. 12528

Speed Enhancement Test - 10

1. $\frac{33}{128}$
2. $\frac{20}{27}$
3. 476
4. $89/142 < 86/133 < 46/68 < 74/98 < 78/102$
5. $78/45 > 89/56 > 53/34 > 94/64 > 98/67$
6. 10713
7. 690
8. 30667
9. 122771
10. 12495
11. 199326
12. 489426
13. 182376
14. 301070
15. 186017
16. 5806.42
17. 2178.45
18. 8361.24
19. 2921.17
20. 4326.23
21. B
22. A
23. C
24. B
25. D

Speed Enhancement Test - 11

1. 24073
2. 65.4
3. 9171
4. 15540.28
5. 9316
6. LCM = 270, HCF = 45
7. LCM = 1008, HCF = 12
8. LCM = 9360, HCF = 1
9. LCM = 1190, HCF = 17
10. LCM = 285, HCF = 19
11. $\frac{46}{89}$
12. $\frac{42}{127} < \frac{63}{159} < \frac{39}{92} < \frac{86}{195} < \frac{242}{501}$
13. 20
14. $\frac{117}{488}$
15. $\frac{97}{183} > \frac{57}{134} > \frac{68}{225} > \frac{89}{306} > \frac{35}{122}$
16. 689.92
17. 630
18. 319
19. 17.1
20. 15.78%
21. 245775
22. 63252
23. 992012
24. 639879
25. 453125

Speed Enhancement Test - 12

1. 414400
2. 302382
3. 7448
4. 74460
5. 425612
6. 1008
7. 2763.22
8. 50.4
9. 58.33%
10. 8.33%
11. $\frac{251}{1846}$
12. 0
13. $\frac{229}{828}$
14. 470
15. $\frac{787}{700}$
16. 23334
17. 18254
18. 11711
19. 22124
20. 4587
21. LCM = 630, HCF = 5
22. LCM = 216, HCF = 9
23. LCM = 420, HCF = 7
24. LCM = 1160, HCF = 29
25. LCM = 1125, HCF = 25

Speed Enhancement Test - 13

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|------------|---|
| 1. -94 | 15. 2124 |
| 2. 33 | 16. 762622 |
| 3. 130 | 17. 182035 |
| 4. 132 | 18. 645975 |
| 5. 191 | 19. 634639 |
| 6. 63.4% | 20. 731322 |
| 7. 29.25% | 21. $\frac{221}{174}$ |
| 8. 344.935 | 22. $\frac{23}{54} < \frac{134}{234} < \frac{543}{785} < \frac{744}{898}$ |
| 9. 344 | 23. 44 |
| 10. 348.3 | 24. $\frac{345}{245}$ |
| 11. 2733 | 25. 483 |
| 12. 23543 | |
| 13. 1669 | |
| 14. 30049 | |

Speed Enhancement Test - 14

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|---|---------------------------|
| 1. $\frac{87}{110}$ | 10. HCF = 12, LCM = 32832 |
| 2. $\frac{39}{40}$ | 11. 43605 |
| 3. $\frac{19}{42}$ | 12. 700891 |
| 4. $\frac{37}{49}$ | 13. 420210 |
| 5. $\frac{319}{96}$ | 14. 990591 |
| 6. HCF = $\frac{1}{480}$, LCM = $\frac{11}{4}$ | 15. 170288 |
| 7. HCF = 17^1 , LCM = $2^4 \times 3^1 \times 11^1 \times 17^1$ | 16. 4228.62 |
| 8. HCF = $2^2 \times 3^1$, LCM = $2^4 \times 3^2 \times 5^1 \times 17^1$ | 17. 2302.34 |
| 9. HCF = 19, LCM = 4446 | 18. 1028.28 |
| | 19. 16.71% |
| | 20. 825 |
| | 21. 29650 |
| | 22. 32119 |
| | 23. 62537 |
| | 24. 41346 |
| | 25. 347 |

Speed Enhancement Test - 15

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|------------------------|---|-------------------------|
| 1. LCM = 288, HCF = 4 | 11. 7192 | 19. 0.052864 |
| 2. LCM = 144, HCF = 2 | 12. 1303 | 20. $\frac{9349}{5355}$ |
| 3. LCM = 720, HCF = 2 | 13. 11539 | 21. 97216 |
| 4. LCM = 8640, HCF = 1 | 14. 2288 | 22. 11718 |
| 5. LCM = 980, HCF = 7 | 15. 1729 | 23. 249856 |
| 6. 592.62 | 16. 13.08 | 24. 75615 |
| 7. 92.31 | 17. 665.45 | 25. 1232766 |
| 8. 790.83 | 18. $\frac{9}{20} < \frac{8}{15} < \frac{19}{30} < \frac{5}{7}$ | |
| 9. 5.71% | | |
| 10. 45.455% | | |

Speed Enhancement Test - 16

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|-----------|--------------------------|--|
| 1. 4028 | 11. 180264 | 21. $\frac{60}{39} < \frac{93}{38} < \frac{65}{23} < \frac{134}{47}$ |
| 2. 2587 | 12. 18619 | 22. 30 |
| 3. 5759.9 | 13. 6545 | 23. 4.6 |
| 4. 22.2% | 14. 94392 | 24. $\frac{116}{105}$ |
| 5. 1.09 | 15. 77244 | 25. $\frac{320}{1620} > \frac{768}{8748} > \frac{1024}{26244}$ |
| 6. 347 | 16. LCM = 8008, HCF = 11 | |
| 7. 4424 | 17. LCM = 150, HCF = 5 | |
| 8. 8950 | 18. LCM = 990, HCF = 1 | |
| 9. 18241 | 19. LCM = 192, HCF = 4 | |
| 10. 1153 | 20. LCM = 324, HCF = 9 | |

Speed Enhancement Test - 17

1. 264.6
2. 440.55
3. 799.02
4. 72.18%
5. 163.33%
6. 241487
7. 10108
8. 745
9. 8816
10. 2473
11. 54234
12. 257172
13. 340413
14. 472916
15. 724272
16. $\frac{56}{23} > \frac{96}{41} > \frac{84}{37} > \frac{168}{77}$
17. $\frac{26}{15} < \frac{556}{313} < \frac{365}{189} < \frac{45}{21}$
18. 1.15
19. $\frac{21}{25}$
20. $\frac{75}{83}, \frac{64}{77}, \frac{98}{137}, \frac{61}{109}$
21. LCM = 1452
22. GDC = 13
23. LCM = 720
24. GCD = 4
25. LCM = 92664, HCF = 36

Speed Enhancement Test - 18

1. 545484
2. 474980
3. 237699
4. 554688
5. 143664
6. 427.804
7. 704.94
8. 782.04
9. 153.1%
10. 66.5%
11. 2766
12. 21593
13. 4466
14. 30293
15. 26488
16. $\frac{52}{57} < \frac{71}{77} < \frac{63}{67} < \frac{83}{87}$
17. $\frac{76}{85}, \frac{48}{65}, \frac{39}{55}, \frac{53}{75}$
18. 665.77
19. 13.5
20. 120
21. A
22. C
23. A
24. D
25. B

Speed Enhancement Test - 19

1. $\frac{131}{192}$
2. $\frac{215}{216}$
3. $\frac{10}{31} < \frac{17}{52} < \frac{22}{67} < \frac{29}{88}$
4. 228
5. 637
6. 432
7. 288
8. HCF = 56, LCM = 3360
9. HCF = 5, LCM = 404250
10. LCM = $43 \times 7^2 \times 5 \times 3^2 \times 2^5$
11. 612156
12. 325032
13. 171315
14. 556200
15. 163185
16. 21073
17. 13823
18. 8896
19. 122971
20. 3796
21. 686.9088
22. 1551.6864
23. 7227.9779
24. 11.509%
25. 3.49%

Speed Enhancement Test - 20

1. 293364
2. 252721
3. 693630
4. 467016
5. 324159
6. $\frac{121}{315}$
7. $\frac{3}{14}$
8. 13
9. 64
10. 12
11. HCF = 4, LCM = 792
12. LCM = 141933 and HCF = 1
13. LCM = 1096500 and HCF = 1
14. LCM = 31416 and HCF = 2
15. LCM = 24624 and HCF = 2
16. 12104.696
17. 4134.8433
18. 6420.128
19. 35.28%
20. 862.372
21. 3850
22. 30248
23. 19464
24. -1115
25. 6773

Speed Enhancement Test - 21

1. 333.4512
2. 644.368
3. 260.1984
4. 487
5. 576
6. LCM = 1995, GCD = 19
7. LCM = 108, GCD = 18
8. LCM = 3528, GCD = 14
9. LCM = 5544, GCD = 12
10. LCM = 1440, GCD = 16
11. 523
12. 38929
13. 9892
14. 17796
15. 14001
16. 22451
17. 23944
18. 129409
19. 207536
20. 54168
21. 1536
22. 1141
23. 19600
24. 12
25. 1419

Speed Enhancement Test - 22

1. 767936
2. 339135
3. 596666
4. 216513
5. 116736
6. 284844
7. 7554
8. 22
9. 25611
10. 13429
11. $\frac{84}{122} > \frac{89}{134} > \frac{34}{93} > \frac{23}{74}$
12. $\frac{12}{67} < \frac{23}{74} < \frac{34}{86} < \frac{54}{89}$
13. 88
14. $\frac{45}{121} > \frac{54}{234} > \frac{66}{353} > \frac{56}{324}$
15. $\frac{731}{483}$
16. 44
17. 23
18. $x + y = 19$
19. 241
20. 107
21. 5710.79
22. 7491.12
23. 1095.6
24. 7644.04
25. 1909.35

Speed Enhancement Test - 23

1. 78833
2. 8826
3. 5626
4. 108868
5. 3.05
6. 720.51
7. 575.28
8. 273.12
9. 297.96
10. 217.12
11. LCM = 384, HCF = 32
12. LCM = 420, HCF = 7
13. LCM = 330, HCF = 11
14. LCM = 162, HCF = 9
15. LCM = 624, HCF = 6
16. 27486
17. 6752
18. 18899
19. 35411
20. 15687
21. 32220
22. 3857100
23. 7144
24. 95808
25. 129404

Speed Enhancement Test - 24

1. 33307
2. 8477
3. 42
4. 2013
5. 74340
6. D
7. C
8. A
9. C
10. D
11. 368631
12. 361201
13. 138444
14. 39964
15. 34587
16. 489.81
17. 895.59
18. 673.92
19. 388.12
20. 559.91
21. $\frac{67}{167}, \frac{57}{157}, \frac{47}{147}, \frac{37}{137}, \frac{27}{127}$
22. $\frac{45}{52} < \frac{59}{68} < \frac{52}{59}$
23. $\frac{18}{31} > \frac{15}{26} > \frac{19}{39}$
24. $\frac{621}{968}$
25. $\frac{77}{36}$

Speed Enhancement Test - 25

1. 37191576
2. 666593334
3. 177577
4. 666432
5. 13344
6. HCF = 1, LCM = 9147683
7. HCF = 31, LCM = 133331
8. HCF = 19, LCM = 6951264
9. HCF = 8, LCM = 97421192
10. HCF = 1, LCM = 355324
11. 666.39
12. 449.28
13. 324.48
14. 39%
15. 32.5%
16. 35386
17. 13544
18. 27371
19. 21426384
20. 3436
21. B
22. A
23. D
24. C
25. A

Speed Enhancement Test - 26

1. $\frac{22705}{12324}$
2. $\frac{899}{2346}$
3. $\frac{83}{36}$
4. $\frac{1835}{2964}$
5. $\frac{517}{540}$
6. -27
7. 687
8. 17325
9. 10867
10. 2629
11. 1800
12. 510
13. 23%
14. 7.69%
15. 2%
16. LCM = 3588, HCF = 1
17. LCM = 2520; HCF = 21
18. LCM = 21762; HCF = 2
19. LCM = 1620; HCF = 18
20. LCM = 1764; HCF = 7
21. 9878204
22. 422904
23. 569961
24. 317361
25. 650256

Speed Enhancement Test - 27

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|-------------------------|-----------------------|------------------------|
| 1. $\frac{569}{1638}$ | 8. 23493.52 | 18. $\frac{80}{27}$ |
| 2. $\frac{1188}{5719}$ | 9. 8734 | 19. $\frac{79}{280}$ |
| 3. $\frac{130}{3}$ | 10. 22968.598 | 20. $\frac{-401}{360}$ |
| 4. $\frac{213712}{567}$ | 11. 9420356 | 21. 4357 |
| 5. $\frac{1036}{5}$ | 12. 777032 | 22. 14531 |
| 6. 70603.6479 | 13. 691740 | 23. 881 |
| 7. 10483.5125 | 14. 185796 | 24. 75482 |
| | 15. 8907536 | 25. -1957 |
| | 16. $-\frac{107}{90}$ | |
| | 17. $\frac{61}{156}$ | |

Speed Enhancement Test - 28

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|--------------------------|------------|--------------|
| 1. HCF = 21, LCM = 840 | 10. 446802 | 19. C |
| 2. HCF = 9, LCM = 648 | 11. 6942 | 20. D |
| 3. HCF = 15, LCM = 3780 | 12. -18376 | 21. 8.33% |
| 4. HCF = 38, LCM = 7980 | 13. 2532 | 22. 11260.89 |
| 5. HCF = 23, LCM = 16422 | 14. 23094 | 23. 3882.44 |
| 6. 481176 | 15. 46442 | 24. 498.96 |
| 7. 24351225 | 16. C | 25. 11791.9 |
| 8. 11857000 | 17. B | |
| 9. 249975 | 18. A | |

Speed Enhancement Test - 29

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|----------|-------------|------------|
| 1. 9187 | 10. A | 19. 86.4 |
| 2. 58572 | 11. 999936 | 20. 6.5025 |
| 3. 189 | 12. 255712 | 21. D |
| 4. 12846 | 13. 340272 | 22. B |
| 5. 74566 | 14. 239616 | 23. A |
| 6. D | 15. 122244 | 24. C |
| 7. C | 16. 1687.14 | 25. C |
| 8. B | 17. 1447.74 | |
| 9. C | 18. 3624.75 | |

Speed Enhancement Test - 30

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|-----------|---------------------------|-------------------------|
| 1. 34.5 | 10. 115320 | 19. LCM = 756, HCF = 18 |
| 2. 3027.5 | 11. D | 20. LCM = 288, HCF = 24 |
| 3. 98% | 12. A | 21. 13851 |
| 4. 72% | 13. B | 22. 1673 |
| 5. 618.75 | 14. C | 23. 7689 |
| 6. 139390 | 15. A | 24. 816 |
| 7. 257821 | 16. LCM = 864, HCF = 6 | 25. 11066 |
| 8. 76405 | 17. LCM = 510, HCF = 17 | |
| 9. 483718 | 18. LCM = 52164, HCF = 18 | |