

GED Mathematics Test Curriculum Assessment Answer Keys

Whole Number Assessment Pages 11-12

1. tens 2. ones 3. thousands 4. hundreds
5. ten-thousands 6. ones 7. hundreds 8. thousands

9. 50 10. 44,000 11. 2,800 12. 1,000
13. 500 14. 80,000 15. 80,000 16. 11,000

17. 1,277 18. 29,212 19. 7,447
20. 86 21. 382 22. 1,092
23. 7,652 24. 3,245 25. 68,478
26. 1,365 27. 5,760 28. 29,250
29. 97,950 30. 5,786 31. 304,264

32. 10 33. 40r.2 34. 332r.2
35. 40 36. 1,125 37. 247
- Solve: 1. 1,140 pencils 2. \$46.00 3. 450 miles 4. \$15.35

Whole Number Word Problems Pages 13-14

1. (2) 2. (4) 3. (2) 4. (1) 5. (3) 6. 8,000 7. 879 8. \$37.00
9. (3) 10. (4) 11. (2) 12. (1)

Student Inventory Whole Numbers Page 15

1. 2 2. 13,000 3. 150,066 4. 1,215 5. 7,447 6. 42,904 7. 104r.2

Fractions Assessment Pages 18-19-20

1. > 2. < 3. < 4. = 5. > 6. <

7. $\frac{7}{10}$, $\frac{7}{8}$, 1 8. $\frac{2}{8}$, $\frac{4}{8}$, 6, 8 9. $\frac{1}{7}$, $\frac{1}{6}$, $\frac{1}{2}$
10. $\frac{3}{5}$, $\frac{2}{3}$, $\frac{5}{6}$ 11. $\frac{1}{2}$, $\frac{9}{10}$, 1 12. $\frac{1}{4}$, $\frac{2}{7}$, $\frac{1}{2}$

13. 6 14. $1\frac{1}{4}$ 15. 2 $\frac{5}{9}$ 16. $3\frac{3}{7}$
17. $4\frac{3}{4}$ 18. $3\frac{2}{5}$ 19. $6\frac{1}{3}$ 20. 2

21. $\frac{1}{2}$, $\frac{6}{12}$ 22. $\frac{15}{45}$, $\frac{1}{3}$

23. $\frac{1}{6}$ 24. $\frac{3}{8}$ 25. $\frac{1}{2}$ 26. $\frac{1}{2}$ 27. $\frac{1}{3}$

28. $\frac{14}{9}$ 29. $\frac{13}{4}$ 30. $\frac{22}{5}$ 31. $\frac{11}{232}$ $\frac{1}{3}$ 33. $\frac{3}{10}$ 34. $\frac{3}{8}$

35. $1\frac{1}{6}$ 36. $6\frac{4}{5}$ 37. $7\frac{5}{12}$

38. $\frac{1}{4}$ 39. $\frac{1}{2}$ 40. $\frac{3}{4}$

41. 6 42. $1\frac{1}{4}$ 43. $1\frac{1}{7}$

44. 3 45. 9 46. \$6.25 47. 12 48. 18

Fraction Word Problems Page 21

1. $26\frac{1}{2}$ hrs. 2. \$45.00 3. $1\frac{1}{4}$ inches 4. 9,000 5. 8
6. $10\frac{2}{3}$ hrs. 7. $5\frac{1}{4}$ cups 8. $10\frac{1}{2}$ miles

Student Inventory Fractions Page 22

1. $\frac{2}{6}$, $\frac{3}{9}$, $\frac{10}{15}$ (ect.) 2. $\frac{3}{4}$ 3. $7\frac{1}{2}$ 4. $2\frac{1}{4}$ 5. $\frac{2}{3}$, $\frac{3}{4}$, $\frac{5}{6}$
6. $2\frac{1}{6}$ 7. $1\frac{1}{4}$ 8. $9\frac{3}{5}$ 9. 12

Decimal Number Assessment Pages 25-26

1. > 2. > 3. < 4. < 5. = 6. >

7. 81.2, 81.228, 81.86 8. 4.92, 5.045, 5.05, 6
9. 28.680, 28.76, 28.77 10. 70, 75.19, 75.57, 75.9

11. 5.7 12. 8.1 13. 12.6 14. 125.3
15. 6.95 16. 8.09 17. 12.95 18. 15.98

19. 32.67 20. 20.72 21. 12.22 22. 27.29

23. 31.2 24. 3 25. .0122 26. 2.16

27. .5 28. 1.5 29. .5 30. 80
31. 157.5 pounds 32. 43.5 hours 33. \$.95 34. \$3.14

Decimal Number Word Problems Pages 27-28

1. (2) 2. (1) 3. (4) 4. (4) 5. (3) 6. (3)
7. 3.099, 3.45, 3.5, 3.16, 4.0 8. (3) 9. (1) 10. (4) 11. .1 12. (1)

Student Inventory Decimal Numbers Page 29

1. 5 2. **Change question to nearest hundredth 12.16 3. 150.066
4. .0985, .8, .95, 1.5 5. $\frac{3}{4}$, 75% 6. 7.75 7. 7.5 8. 4.152 9. 1.3

Percents Assessment Pages 32-33

1. $\frac{1}{2}$ 2. $\frac{1}{20}$ 3. $\frac{1}{10}$ 4. $\frac{9}{10}$ 5. 1
6. .35 7. .6 8. .04 9. .55 10. .08

11. \$1.30 12. 9.5 13. .55 14. 2.1 15. .80

16. 40 17. 61.5 18. \$30.00 19. 1 20. 5 21. 150

22. 80 23. 80 24. 120 25. $33\frac{1}{3}$ or 33.333..

26. 50% 27. 25% 28. 75% 29. 20%

30. \$12.25, \$257.25 31. \$100.00 32. \$35.84 33. \$280.00

Student Inventory Percents Page 34

1. .08 2. $\frac{4}{5}$ 3. \$18.75 4. 20% 5. 80 6. 60%

Ratios, Proportions & Probability Assessment Pages 38-39-40

1. 14:29, $\frac{14}{29}$, 14 to 29 2. 38:29, $\frac{38}{9}$, 38 to 29
3. 37:17, $\frac{37}{17}$, 37 to 17 4. 2:19, $\frac{2}{19}$, 2 to 19

5. Possible answers include: $\frac{1}{2}$, $\frac{10}{20}$, $\frac{2}{4}$ ect.
6 Possible answers include: $\frac{6}{8}$, $\frac{9}{12}$, $\frac{15}{20}$ ect.
7 Possible answers include: $\frac{10}{14}$, $\frac{15}{21}$, $\frac{20}{28}$ ect.

8. no 9. no 10. yes 11. yes

12. 20 13. 9 14. 7 15. 4

16. 450 17. 192 18. 265 19. 54

20. 32cm 21. 36 ft. 22. 9 out of 34, (1 out of 4) 23. 1 out of 26

- Page 40:** 1. $\frac{1}{3}$ 2. $\frac{1}{2}$ 3. 48 feet 4. 3 teaspoons 5. 80 mph
6. 675 miles 7. \$101.50 8. $(\frac{5}{20}) \frac{1}{4}$

Student Inventory Ratio, Proportion & Probability Page 41

1. $\frac{2}{7}$ ($\frac{12}{42}$) 2. $\frac{2}{6}$, $\frac{3}{9}$, $\frac{10}{30}$, ect. 3. no, no 4. 9
5. $\frac{85}{2} = \frac{255}{X}$ or $\frac{2}{85} = \frac{X}{255}$ Answer: 6 6. $\frac{1}{3}$

Data Analysis Assessment Pages 44-47

1. 14 %, 33% 2. 1950 to 1960, 4 million 3. Mammoth, Warehouse
4. 2 times, 4 times, \$9,000. 5. July, 2 (April & July), 4,000
6. Mean: 494, Median: 480
7. 5 degrees, 1 hour, The temperature rises during the morning, then goes down after noon. 8. 1993, 2000 9. \$2,560, \$613.33
10. \$17.00, 2 weeks, predict about \$18.25

Beginning Algebra Assessment 1 Pages 51 & 52

1. 36 2. 25 3. 125 4. 8 5. 16 6. 49

7. 6 8. 5 9. 2 10. 10 11. 9 12. 8

13. 13 14. 21 15. 20 16. 11 17. 27 18. 12

19. 13 20. 37 21. 10 22. 250

23. 18 24. 16 25. 4 26. 14 27. 69 28. 63 29. 2 30. 12 31. 30

32. 270 33. 9 34. 212 35. 8 36. 7 37. 89 38. 1200 39. 118 40. 62
41. 135 42. 56 43. 18

Algebra Assessment 2 Pages 53-54

1. $u \times 5 + 6$ 2. $2y - 36$ 3. $(28 + t) / 3$ 4. $4 - k$
5. $8x$ 6. $8y$ 7. $6n$ 8. $9t$
9. 15 10. 10 11. 20 12. 3 13. 24 14. 95
15. 5×10^4 16. 6×10^7 17. 1.5×10^5
18. 4×10^{-4} 19. 1.5×10^{-5} 20. 3.21×10^{-4}
21. false 22. false 23. false 24. true 25. true 26. true
27. 11 28. d)14 29. d)20 30. 5 hours

Integers Assessment Page 55

1. -10, -7, -6, -4, -3, 5, 9 2. -14, -11, 4, 7, 17, 18, 21
3. -51, -50, -48, -40, 5, 24, 44
4. -53 5. -25 6. -10 7. 48 8. 19 9. 4
10. 34 11. -52 12. 68 13. 31 14. -18 15. -14
16. -22 17. 12 18. 84 19. -36 20. -56 21. 62
22. 2 23. 5 24. -7 25. -7 26. 9 27. -11

Student Inventory Algebra Page 56

1. 2, 15, -30, 2 2. 14 3. 25, 6 4. 1.5×10^7 , 1,500,000
5. 24 6. 38, 7.2, 7, 2 7. 30 8. $10x + 15x = 25x$

Student Assessment Geometry Pages 61-65

1. Any example in which 2 lines cross each other.
2. Any example in which 2 lines meet at a right angle.
3. _____ Lines will never intersect.
4. Angles formed when 2 lines intersect.
5. acute 6. obtuse 7. 90 8. 180 9. isosceles 10. equilateral
11. 22 12. 12 13. 31.4 14. 314 15. 48 16. 48 17. 8
18. 27 19. 125.6 20. similar 21. congruent 22. bottom right

Geometry Word Problems Pages 63-64

1. 1 2. 90 3. 2 4. 2 5. 4 6. 3 7. 2 8. 1 9. 3
10. 3 11. 3 12. 4 13. 2 14. 3

GED Mathematics Test Curriculum
Answers to Overview & Test Content Questions

Page 1 Procedural: Body mass is 23
Conceptual: #2 $P = 8Z + 5$

Page 2 Application: #2 \$37.14

Page 3 Number Sense: #5 E
6 overtime hours

Page 4 Data Analysis: #2 The more the car is driven the lower the value
#4 2,000

Page 5 Algebra: #5 8.6
 $N = 7$ She sold 7

Page 6 Geometry: #5 80
#5 Segment AB is parallel to CD