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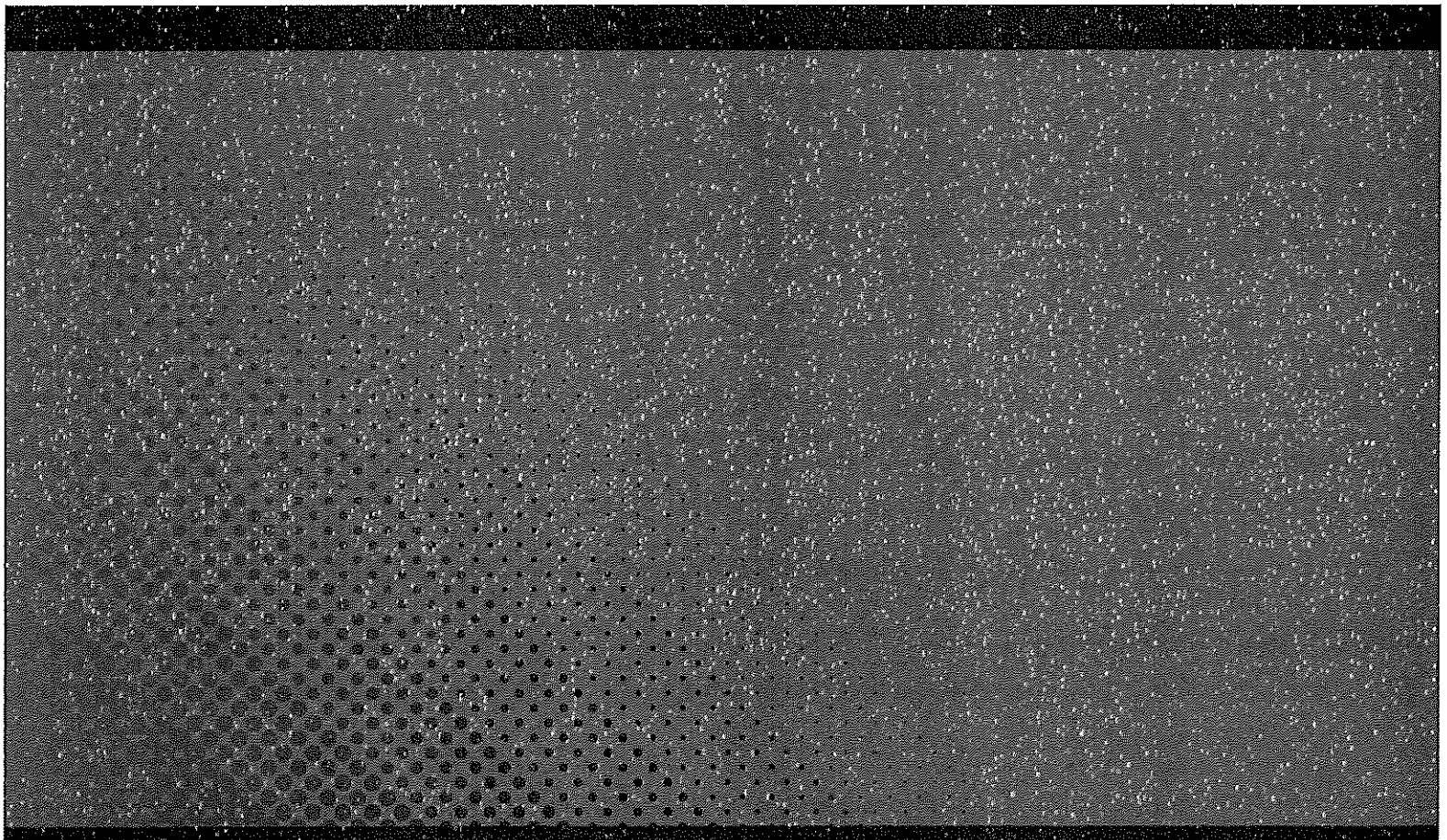
Basic Skills Test -
Practice Test

Wonderlic Basic Skills Test
Practice Test Series
Quantitative Form QS-A



PRACTICE TEST

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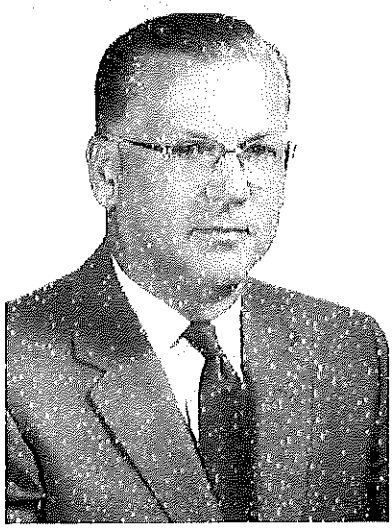

E.F. Wonderlic, 1952

"We must keep going at this **high level of achievement**, and try to achieve **even better** results as we gain more years of maturity, and new teaching and learning methods are discovered."

– E.F. Wonderlic

Welcome to the Wonderlic Basic Skills Test Practice Test.
Since 1937, more than 200 million people throughout the world have been evaluated with Wonderlic assessments in pursuit of new and exciting career training and employment opportunities.

The Wonderlic Basic Skills Test is a standardized test of adult math and language skills that is commonly administered by schools and employers across the United States. This booklet contains questions which represent the content and average difficulty f the Wonderlic Basic Skills Test – Quantitative Skills. The questions and specific ontexts contained in this booklet do not appear on any published form of the Wonderlic Basic Skills Test. Correct answers are provided inside the back cover.

The U.S. Department of Education has determined that a student's level of proficien y with the math and language skills represented in the Wonderlic Basic Skills Test is fundamental to his or her success in career training. Furthermore, the U.S. Department of Labor has deemed these skills to be critical for satisfactory job performance across a broad range of occupations.

Wonderlic, Inc. wishes you great success in working toward new and higher levels of achievement!

Turn The Page

to begin reviewing sample questions for the

Wonderlic Basic Skills Test–

Quantitative Skills

Form QS-A

Correct answers are provided inside the back cover of this booklet.

Perform the arithmetic indicated in questions 1–6.

1. $58 + 79 =$

   A. 129
   B. 139
   C. 137
   D. 127

2. $6386 + 999 =$

   A. 7387
   B. 6387
   C. 6385
   D. 7385

3. $76 - 34 =$

   A. 52
   B. 38
   C. 42
   D. 28

4. $67 \times 2 =$

   A. 134
   B. 124
   C. 129
   D. 144

5. $437 \times 7 =$

   A. 2819
   B. 3024
   C. 3059
   D. 2804

6. $280 \div 8 =$

   A. 35
   B. 32
   C. 45
   D. 38

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Solve each of the applied arithmetic problems in questions 7–12.

7. Elena worked 38 hours last week and 36 hours this week. How many hours did she work in the two weeks?

   A. 64
   B. 74
   C. 2
   D. 68

8. An electronics store had 182 customers on Thursday, 443 on Friday, and 509 on Saturday. How many customers did the store have in those three days?

   A. 1,135
   B. 1,244
   C. 1,144
   D. 1,134

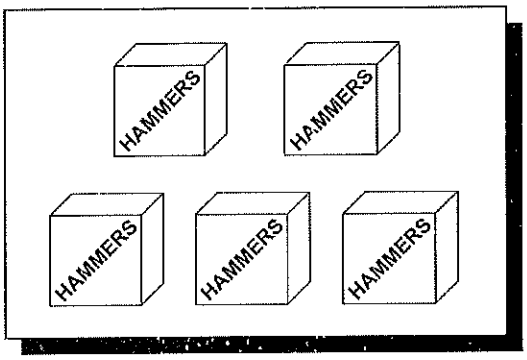
9. Suzanna earned $65 in tips on Friday. She gave $18 of the tips to the busboy. How much did she have left?

   A. $57
   B. $47
   C. $37
   D. $83

10. The Wilsons' food budget is $90 per week. They have already spent $41 this week. How much is left in their food budget for this week?

    A. $41
    B. $59
    C. $49
    D. $51

11. Each box below contains 14 hammers.



    In total, how many hammers are contained in the boxes?

    A. 50
    B. 70
    C. 19
    D. 9

12. Linda found 4 boxes of file folders in the closet. Each box contained 24 file folders. In all, how many file folders were in the boxes?

    A. 28
    B. 20
    C. 86
    D. 96

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Perform the math operations indicated in questions 13–20.

13. $683 \div 8 =$

A. 84 Remainder 11
B. 85 Remainder 3
C. 76 Remainder 6
D. 76 Remainder 7

14. $304 \div 23 =$

A. 12 Remainder 18
B. 12 Remainder 6
C. 13 Remainder 5
D. 12 Remainder 28

15. $272 \div 64 =$

A. 4.25
B. 3.75
C. 4.50
D. 4.75

16. $^1/_5 + {}^1/_7 =$

A. $^{12}/_{35}$
B. $^2/_{12}$
C. $^1/_{35}$
D. $^1/_6$

17. $^1/_6 + {}^1/_8 =$

A. $^1/_7$
B. $^1/_{48}$
C. $^7/_{24}$
D. $^2/_{14}$

18. Reduce $^{15}/_{21}$ to its lowest terms.

A. $^3/_{21}$
B. $^5/_7$
C. $^3/_7$
D. $^6/_{21}$

19. $^{16}/_9$ is equal to:

A. $1\ {}^6/_9$
B. $^7/_9$
C. $^{12}/_3$
D. $1\ {}^7/_9$

20. Which of the following numbers is the smallest?

A. $^3/_7$
B. $^1/_3$
C. $^5/_6$
D. $^9/_{14}$

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Solve each of the applied math problems in questions 21–25.

21. Kate's hat cost $23.40, her gloves cost $7.20, and her coat cost $74.95. How much did the three items cost?

A. $117.45
B. $106.55
C. $105.45
D. $105.55

22. Ben's monthly commuting expenses are $109.32 for his train ticket, $16.45 for parking, and $68.00 for the bus. How much are his monthly commuting expenses?

A. $125.77
B. $173.77
C. $193.77
D. $293.77

23. A company budgeted $3,050 to spend on advertising. So far, the company has spent $1,764.25 of the budget. How much money is left in the budget?

A. $4,814.25
B. $1,385.75
C. $1,285.75
D. $1,386.75

24. A nursery sells apple trees at $24.95 each. A landscaper bought 8 trees from the nursery. What was the total cost of the trees?

A. $199.60
B. $169.24
C. $19.96
D. $16.92

25. A repaving crew is putting a new surface on 79 kilometers of road. They have completed 28 kilometers. If they repave 3.4 kilometers per day in the next several days, how many more days will it take them to finish?

A. 15
B. 32.5
C. 14.5
D. 23

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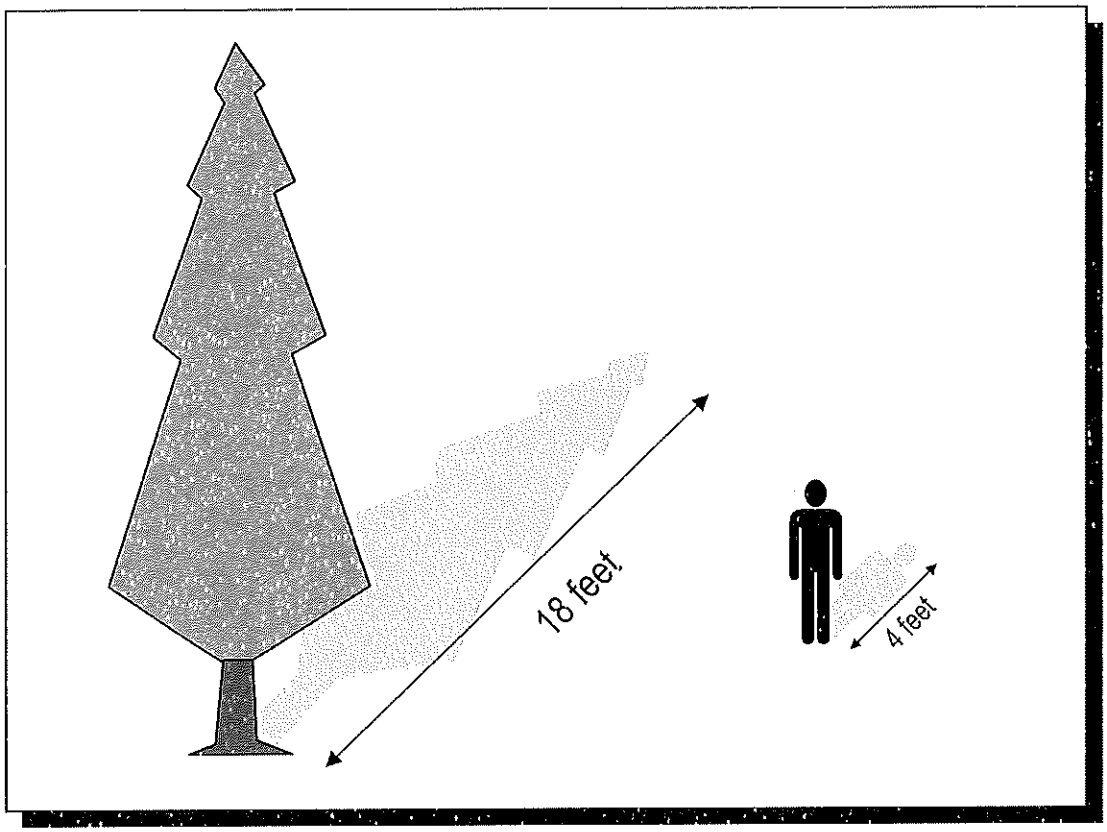
Refer to the picture below to solve the problem in question 26.

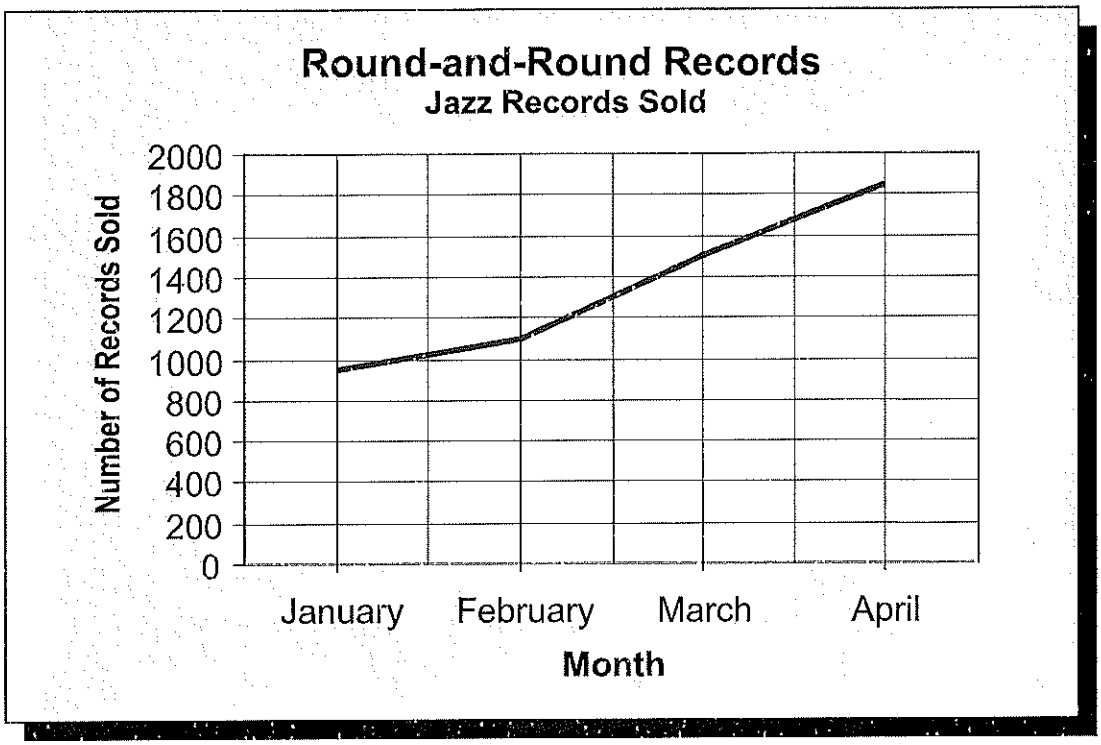


26. A 6-foot tall man is standing near a tree on level ground as shown in the picture above. If the man's shadow is 4 feet long, how many feet tall is the tree?

A. 27
B. 12
C. 108
D. 72

Go on to the next page

Refer to the graph below to solve each of the applied quantitative problems in questions 27–29.



27. About how many more jazz records were sold in April than in February?

A. 750
B. 1,850
C. 2,950
D. 950

28. Two percent of the jazz records sold in April were from a new label. About how many records were from the new label?

A. 80
B. 800
C. 40
D. 400

29. March sales accounted for $1/7$ of the total number of jazz records sold all year. About how many jazz records were sold all year?

A. 7,400
B. 10,500
C. 950
D. 220

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Solve for the positive values of 'y' for the equations in questions 30–33.

30. $y - 7 = 8$

A. 12
B. 15
C. 1
D. 10

31. $2(x - y) = 8$ where $x = 6$

A. 2
B. 4
C. 8
D. 10

32. $2y(4 - x) = x/2$ where $x = 2$

A. $1/2$
B. $1/4$
C. 4
D. 1

33. $(1/3)y^2 + 12 = 5x$ where $x = 3$

A. 9
B. $9\ 1/9$
C. $3\ 1/3$
D. 3

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Solve each of the applied quantitative problems in questions 34–38.

34. A farmer has $7\ 3/4$ rows of radishes in one field, $4\ 3/4$ rows of radishes in another field, and $6\ 1/4$ rows of radishes in a third field. How many rows of radishes does he have altogether?

A. $18\ 3/4$
B. $17\ 7/12$
C. $17\ 1/2$
D. $17\ 3/4$

35. The main road in Belleville is $7\ 3/10$ miles long. So far, $2\ 3/4$ miles have been repaved. How many miles have not been repaved?

A. $4\ 11/20$
B. $5\ 11/20$
C. $4\ 1/6$
D. $5\ 1/6$

36. Four friends went out for dinner. The bill, including tax, totaled $64.00. If they want to leave a 15% tip and want to share the bill and tip equally, what should each person pay?

A. $16.00
B. $18.40
C. $18.00
D. $73.60

37. The Williams family wants to cover one wall in their living room with 1-foot square mirror tiles. The wall measures 8 feet by 10 feet. How many mirror tiles will they need to cover the wall?

A. 8
B. 10
C. 18
D. 80

38. Kenji has 8 apple trees that each produces about 20 bushels of apples, and 12 apple trees that each produces about 25 bushels. In total, about how many bushels of apples do his trees produce?

A. 45
B. 900
C. 460
D. 300

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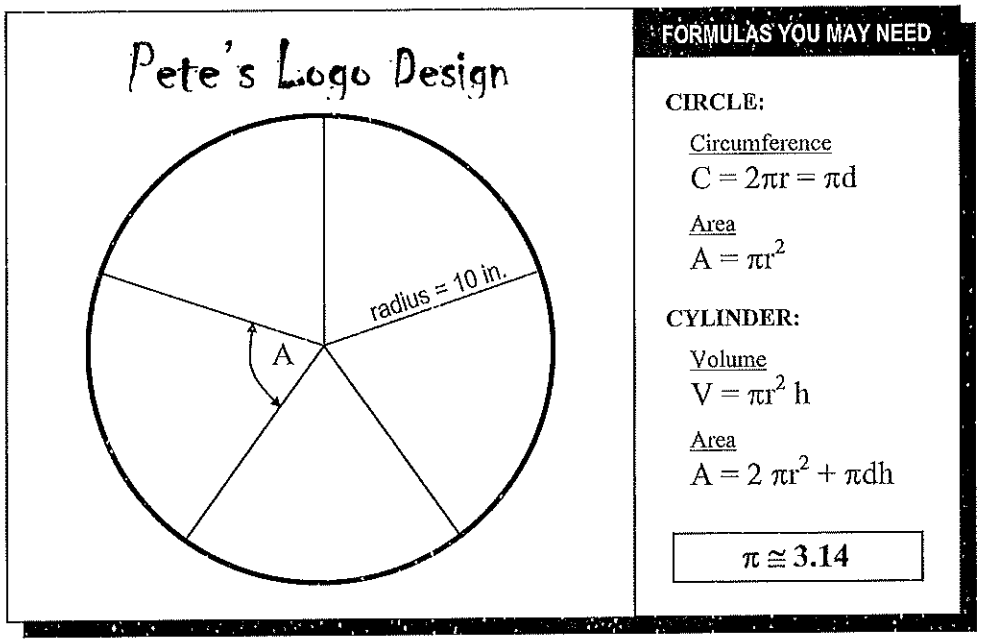
Refer to the diagram below to solve each of the basic geometry problems in questions 39–41.



39. Pete is designing a company logo by dividing a circle into five equal pie-shaped sections as shown in the diagram above. How many degrees are in angle A?

A. 36°
B. 72°
C. 50°
D. 100°

40. Pete plans to put silver colored ribbon around the circular logo. About how many inches of silver colored ribbon will he need?

A. 360
B. 20.0
C. 31.4
D. 62.8

41. If Pete wants to paint the entire circle of his logo blue, how many square inches will he need to cover?

A. 31.4
B. 157
C. 314
D. 50

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Solve each of the applied quantitative problems in questions 42–45.

42. How many $1\ ^2/_3$ yard lengths of wire can be cut from 25 yards of wire?

A. $41\ ^2/_3$
B. 10
C. $23\ ^1/_3$
D. 15

43. Joan received a discount of $4.80 on a book that originally cost $60. What was the percent of discount she received?

A. 55.2%
B. 44.8%
C. 8.0%
D. 80.0%

44. Dr. Warren purchased some medical supplies for $670. Sales tax rate was 6.5%. How much did Dr. Warren spend on these supplies?

A. $43.55
B. $711.25
C. $4355.00
D. $713.55

45. Last year, about 2,400 people participated in a local Fourth of July parade. This year, about 3,200 people participated. What was the approximate percent increase in participation?

A. 25%
B. 50%
C. 75%
D. 33%

END OF PRACTICE TEST

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– E.F. Wonderlic

Question #	Wonderlic Basic Skills Test Sample Questions Profile– uantitative Skills Form QS-A			Question #	
	Math Level*	Primary Skills Set Required	Full Correct Answer	Correct Answer	
1	1	Perform basic math operations on whole numbers	137	C	1
2	1	Perform basic math operations on whole numbers	7385	D	2
3	1	Perform basic math operations on whole numbers	42	C	3
4	1	Perform basic math operations on whole numbers	134	A	4
5	1	Perform basic math operations on whole numbers	3059	C	5
6	1	Perform basic math operations on whole numbers	35	A	6
7	1	Perform basic math operations on whole numbers in an applied context	74	B	7
8	1	Perform basic math operations on whole numbers in an applied context	1,134	D	8
9	1	Perform basic math operations involving whole monetary units in an applied context	$47	B	9
10	1	Perform basic math operations involving whole monetary units in an applied context	$49	C	10
11	1	Perform basic math operations involving whole numbers in an applied context	70	B	11
12	1	Perform basic math operations involving whole numbers in an applied context	96	D	12
13	2	Perform multiplication and division on whole numbers	85 Remainder 3	B	13
14	2	Perform multiplication and division on whole numbers	13 Remainder 5	C	14
15	2	Perform multiplication and division on whole numbers	4.25	A	15
16	2	Perform basic math operations on proper, improper fractions and mixed numbers	12/35	A	16
17	2	Perform basic math operations on proper, improper fractions and mixed numbers	7/24	C	17
18	2	Perform basic math operations on proper, improper fractions and mixed numbers	5/7	B	18
19	2	Perform basic math operations on proper, improper fractions and mixed numbers	17/9	D	19
20	2	Perform comparisons of fractional magnitudes	1/3	B	20
21	2	Perform basic math operations involving fractional monetary units in an applied context	$105.55	D	21
22	2	Perform basic math operations involving fractional monetary units in an applied context	$193.77	C	22
23	2	Perform basic math operations involving fractional monetary units in an applied context	$1,285.75	C	23
24	2	Perform basic math operations involving fractional monetary units in an applied context	$199.60	A	24
25	2	Compute rates, proportions, and percentages in an applied context	15	A	25
26	3	Compute rates, proportions, and percentages in an applied context	27	A	26
27	2	Evaluate and interpret line, bar, or pie graphs in an applied context	750	A	27
28	2	Evaluate and interpret line, bar, or pie graphs in an applied context	40	C	28
29	2	Compute rates, proportions, and percentages in an applied context	10,500	B	29
30	3	Evaluate, simplify and solve variable expressions and equations	15	B	30
31	3	Evaluate, simplify and solve variable expressions and equations	2	A	31
32	3	Evaluate, simplify and solve variable expressions and equations		B	32
33	3	Evaluate, simplify and solve variable expressions and equations	3	D	33
34	2	Perform basic math operations involving fractional units of measure in an applied context	18	A	34
35	2	Perform basic math operations involving fractional units of measure in an applied context	4 1	A	35
36	2	Compute rates, proportions, and percentages in an applied context	$18.40	B	36
37	3	Perform multiplication and division on whole units of measure in an applied context	80	D	37
38	2	Perform multiplication and division on whole units of measure in an applied context	460	C	38
39	3	Understand and compute geometric angles, lengths, areas, and volumes in an applied context	72°	B	39
40	3	Understand and compute geometric angles, lengths, areas, and volumes in an applied context	62.8	D	40
41	3	Understand and compute geometric angles, lengths, areas, and volumes in an applied context	314	C	41
42	3	Perform basic math operations involving fractional units of measure in an applied context	15	D	42
43	2	Compute rates, proportions, and percentages in an applied context	8.0%	C	43
44	2	Compute rates, proportions, and percentages in an applied context	$713.55	D	44
45	3	Compute rates, proportions, and percentages in an applied context	33%	D	45

** Math levels established in accordance with job-related General Education Development (GED) skills content published by the U.S. Department of Labor in the Dictionary of Occupational Titles (DOT).*