Pass 27 correct in 16 minutes

Burroughs Corporation

ARITHMETICAL REASONING TEST

This test given under supervision of: _____

Time Limit—16 Min.

Score: _____

Name Answers

Burroughs Branch _____

Applying for Position as _____

Date _____

INSTRUCTIONS

On this page are some practice exercises in arithmetical reasoning. You are asked to determine the answer to each question and insert the answer in the brackets at the right. Some questions have several possible answers listed. Find the answer that is correct and place it in the brackets. The first two exercises have been done correctly. Do the rest of the exercises.

PRACTICE EXERCISES

1. If a bag of 20 oranges cost 50 cents, how much does each orange cost? 2½ cents? 3 cents? 5 cents? 2 cents?.....[2½]

2. One number in the following series is omitted. What should that number be?
   1 3 5 7 ? 11 13.....[9]

3. A car travels 60 feet in a second. How many feet will it travel in ¼ second?.....[15]

4. Two boys had 45 marbles between them. A had twice as many as B. How many marbles did B have?.....[15]

On the following pages are more exercises like these. When the examiner tells you to begin, you will have 16 minutes in which to complete as many questions as you can.

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO

1. If 2 pencils cost 5 cents, how many pencils can be bought for 50 cents?..... 1 [20]

2. Look at the row of numbers below. What number should come next?
8 4 2 1 ½ ¼ ?..... 2 [1/8]

3. One number in the following series is omitted. What should that number be?
100 97 94 91 88 ? 82..... 3 [85]

4. 16÷2×5= 30? 40? 32? 62?..... 4 [40]

5. One number is wrong in the following series. What should that number be?
1 5 2 6 3 7 4 9 5 9..... 5 [8]

6. If a boy can run at the rate of 5 feet in ¼ of a second, how many feet can he run in 10 seconds?..... 6 [200]

7. A man spent $24.00 or ⅜ of his check for room and board. How much was his check?..... 7 [64]

8. In the following series of numbers, how many times does 5 follow 7?
2 7 5 4 7 5 6 7 5 5 8 3 8 5..... 8 [3]

9. A train travels 50 feet in ½ second. At this same speed, how many feet will it travel in 10 seconds?..... 9 [1000]

10. How many oranges can you buy for 50 cents if they are 24 cents a dozen?
29? 25? 27? 30?..... 10 [25]

11. A man won $75. at a bank night drawing. If he spends it at the rate of $2.50 per week how many weeks will the money last?..... 11 [30]

12. A dealer bought some cars for $3000. He sold them for $4500, making $50 on each car. How many cars were involved?..... 12 [30]

13. Look at the row of numbers below. What number should come next?
81 27 9 3 1 ?..... 13 [1/3]

14. 22% of $500= $100? $105? $110? $115?..... 14 [110]

15. One number is wrong in the following series. What should that number be?
1 4 2 5 3 6 4 7 5 9 6 9..... 15 [8]

16. A watch lost 1 minute 8 seconds in 34 days. How many seconds did it lose per day?..... 16 [2]

17. Two men caught 50 fish. A caught four times as many as B. How many fish did B catch?..... 17 [10]

Go on to next page

18. If 10 boxes full of apples weigh 500 pounds, and each box when empty weighs 5 pounds, how many pounds do all the apples weigh?..... 18 [450]

19. If one teaspoon = 60 drops, how many drops are there in .3 teaspoon?
30? 18? 12? 5?..... 19 [18]

20. Five percent of $2000 is the same as 20 percent of what amount?..... 20 [500]

21. A side of beef weighs 225 lbs. The average daily beef consumption of a family is 1½ lbs. How long will this beef last them?..... 21 [150]

22. Two men caught 30 fish; X caught 5 times as many as Y. How many fish did Y catch?..... 22 [5]

23. If 2½ yards of cloth cost 60 cents, how many cents will 15 yards cost?..... 23 [3.60]

24. .60 = 1/20? 3/4? 3/5? 4/5?..... 24 [3/5]

25. One number in the following series does not fit in with the pattern set by the others. What should that number be?
8 9 12 13 16 18 20..... 25 [17]

26. One number in the following series does not fit in with the pattern set by the others. What should that number be?
1/2 1/4 1/6 1/8 1/9 1/12..... 26 [1/10]

27. 12% = 3/25? 4/25? 5/20? 3/20?..... 27 [3/25]

28. What number is missing in this series?
15-2/3 15-1/3 15-2/3 15 15-2/3 14-2/3 (?)..... 28 [15-2/3]

29. One number is wrong in the following series. What should that number be?
0 1 3 6 10 15 20 28 36..... 29 [21]

30. A soldier shooting at a target hits it 25% of the time. How many times must he shoot in order to register 100 hits?..... 30 [400]

31. A skirt requires 2¼ yards of material. How many can be cut from 27 yards?.. 31 [12]

32. If 4½ yards of cloth cost 81 cents, how many cents will 2½ yards cost?.... 32 [45]

33. 10, 8, 11, 9, 12...What 2 numbers would come next in this series?
11, 14— 10, 13— 10,12— 11,13..... 33 [10, 13]

34. One number is wrong in the following series. What should that number be?
1, 2, 4, 8, 16, 36, 64..... 34 [32]

35. Which number in the following series represents the smallest amount?
2 1 .8 .888 .799 ..... 35 [.799]

Go on to next page

36. A baseball team lost 6 games this season. This was 3/8 of all they played. How many games did they play this season?..... 36 [16]

37. If all the odd-numbered letters in the alphabet were crossed out, what would be the tenth letter not crossed out? Print it. Do not mark the alphabet.
ABCDEFGHIJKLMNOPQRSTUVWXYZ..... 37 [T]

38. How many hours are there in 4-2/3 days? 108? 112? 116? 120?..... 38 [112]

39. A clock was exactly on time at noon on Monday. At 10 P.M. on Tuesday it was 34 seconds slow. At that same rate, how much did it lose in ½ hour?.. 39 [1/2]

40. One number is wrong in the following series. What should that number be?
1 3 9 27 63 243..... 40 [81]

41. A man works from 7:30 a.m. to 4:00 p.m. He gets ½ hour for lunch and two 15-minute rest periods. How many hours does he actually work?
7? 7-1/2? 7-3/4? 8?..... 41 [7 1/2]

42. Which number in the following group of numbers represents the smallest amount? .309 1 .999 .33 11 ..... 42 [.309]

43. Which of these numbers cannot be divided by 3 to give a whole number for an answer? 396? 66? 3321? 3221?..... 43 [3221]

44. Three men form a partnership and agree to divide the profits equally. X invests $3000, Y invests $2000 and Z invests $1000. If the profits are $1200, how much less does X receive than if the profits were divided in proportion to the amount invested?..... 44 [200]

45. If Frank can ride a bicycle 40 feet while George runs 30 feet, how many feet can Frank ride while George runs 42 feet?..... 45 [56]

46. 3÷1/6= 18? 2? 1/2? 1/18?..... 46 [18]

47. If a wire 40 inches long is to be cut so that one piece is 2/3 as long as the other piece, how many inches long must the shorter piece be?..... 47 [16]

48. Which number is the smallest? 1%? .2% .02? 1/100?..... 48 [.2%]

49. Ten books, each two inches thick, are arranged on a library shelf. How many inches are there between the front cover of the third book and the back cover of the eighth?..... 49 [8]

50. You have a nickel, a dime and a quarter. A clerk shows you several articles, each a different price and any one of which you could purchase with your coins without receiving change. What is the largest number of articles he could have shown you?..... 50 [7]