



# Basic Skills Testing

## \*\*\*\* ANSWER GUIDE \*\*\*\*

The actual measurable test includes 40 items for scoring. Each CORRECT answer is worth 2.5 Points

**Section 1** = 31 answers

**Section 2-A** = 7 answers (note that page 7, question #6 has TWO answers)

**Section 2-B** = 1 answer

**Section 3** = 1 answer (question at end of writing sample)

Generally speaking, “passable” scores are anything 70 and above. Simply count the number of CORRECT responses and multiply x 2.5. If the student initials at the upper right of the test pages, then ADD 2 more points to final score- and if the initials are not present, then SUBTRACT 2 points. If a score is below 70, but close, the evaluator can attribute points from the Section 3 writing sample- but no more than 2.5 points can be added for any quality writing sample. Record both the final score and YOUR name, as grader, on the front of the test document in the box provided.

### **BST: Section 1**

#### *Basic Math and Analytical Skills*

#### **Addition:**

1.  $3289 + 328451 = 331,740$
2.  $32.5 + 0.25 = 32.75$
3.  $325 + 12 + 7521 + 86214 = 94,072$
4. Fifty Seven Dollars + Forty One Dollars + Three Dollars = **\$101.00**

### Subtraction:

5.  $6649 - 524 = 6,125$
6.  $8754261 - 54217 = 8,700,044$
7.  $798.65 - 52.33 = 746.32$
8.  $2.8 - 1.007 = 1.793$

### Multiplication:

9.  $413 \times 206 = 85,078$
10.  $2.7 \times .5 = 1.350$
11.  $642 \times 729 = 468,018$
12.  $504 \times .25 = 126$

### Division:

13.  $468 / 18 = 26$
14.  $8428 / 28 = 301$
15.  $34.2 / .6 = 57$
16.  $225 / 5 = 45$

### General Math Problems:

17. The 5:15 train takes 2 hours and 10 minutes to get to Clarksville. Today the train will be 15 minutes late. What time will the train get to Clarksville? **7:40**
18. How much is 4.53 pounds of meat at \$1.39 per pound (to the nearest cent). **\$6.30**
19. If oranges cost five for .75 cents how many can you buy for \$2.70? (assuming they can be bought singly) **18**

20. If a plane travels at a speed of 400 miles-per-hour how many hours will it take to travel 3000 miles? **7.5**

21. What is the missing letter in this series?

**A C E G I**

22. What is the missing letter in this series?

**B E H K N Q T**

23. What would be the next object in this series?



24. If John starts work at 8:00 am and finishes at 5:30 pm. How many hours does he work in five days? He has 90 minutes of break time total for the whole week. **46**

**Find the missing number in the blank:**

25.  $7 = \underline{12} - 5$

26.  $56 = 17 + \underline{39}$

27.  $44 - \underline{29} = 15$

28.  $17 + 47 = 7 + \underline{57}$

29.  $54 - 32 = 25 - \underline{3}$

30.  $1 \dots 3 \dots 9 \dots \underline{27} \dots 81 \dots$

31.  $3 \dots 6 \dots 10 \dots 15 \dots \underline{21} \dots 28 \dots$

## BST: Section 2

### Reading Comprehension- Part A

1) The Golden Gate Bridge .....

- a) spans the San Francisco Bay
- b) is the best-known symbol of the United States
- c) spans the Golden Gate Strait**
- d) is painted gold and has a gold-plated gate at each end

2) The first plans of the bridge .....

- a) were designed by Irving and Gertrude Morrow in 1916**
- b) were designed by Irving Morrow but were too complicated
- c) were something America could be proud of
- d) were not designed in art deco style

3) The construction of the foundations was very complicated because .....

- a) it was thought to be almost impossible
- b) the piers had to be sunk in the open sea through violent waves**
- c) they had to be the largest ones ever built
- d) they had to be cast by teams of divers, which was very expensive

4) Which one is true?

- a) The construction of the Golden Gate Bridge took four years.**
- b) The bridge was opened to car traffic in 1939.
- c) People were allowed to cross the bridge in 1939.
- d) The construction of the bridge began exactly seventeen years after the first plans were made.

5) Draw a line from the letter to a number to form a correct pair that goes together:

- |               |   |                        |
|---------------|---|------------------------|
| a) 7,650 feet | → | 1. length of bridge    |
| b) 3 feet     | → | 2. length of main span |
| c) 4,200 feet | → | 3. diameter of cable   |
| d) 8,981 feet | → | 4. length of cable     |

**NOTE: 2.5 points for ALL lines above connected correctly !**

6) What kind of safety precaution concerning marine traffic is used today, and what kind was proposed by the US Navy? **Fog horns for ships** and **Black with yellow stripes** [each counts 2.5 points]

## Reading Comprehension- Part B

**TRICK QUESTION:** If the student correctly answered “a” for ALL six questions, then award a full 2.5 points. If they failed to answer “a” for ALL six questions then he/she is awarded NO points.

### BST: Section 3

#### General Writing Skills

**NOTE: The writing sample is NOT scored- but only used to evaluate descriptive skills and ability to communicate in writing. In case of “close” score, a maximum of 2.5 points may be awarded for a quality writing sample**

Chose the word that completes the sentence correctly:

*“In recent years, Fiber Optics has \_\_\_\_\_ quite popular. “*

- a. became
- b. become**
- c. becoming
- d. becomes
- e. becomed