



# **Scheduler Test Battery (STB)**

## **Preparation Guide**



The Scheduler Test Battery is composed of three components:

- 1) Numerical Ability
- 2) Verbal Reasoning
- 3) Visual Speed and Accuracy

### Numerical Ability

This 75-item exercise is designed to measure problem solving ability through basic mathematical questions. You must add, subtract, multiply, or divide to solve each problem and then select the correct answer from the five choices provided. The exercise is divided into three sections (25 questions each). Part 1 measures proficiency in working with whole numbers. Part 2 measures proficiency with decimals. Part 3 measures proficiency with fractions. There is a ten minute time limit for this test. Sample problems for Part 1, 2, and 3 are shown below.

Look at the sample problems below. Each problem is followed by four possible answers and an "X." You are to work each problem and put a heavy black mark in the circle before the correct answer. If the correct answer is not given, make a heavy black mark in the circle before the "X."					
Now work the sample problems below. The first one has been answered correctly.					
1. $5 + 5 =$	<input type="radio"/> 8	<input type="radio"/> 11	<input type="radio"/> 9	<input type="radio"/> 12	<input checked="" type="radio"/> X
2. $12 - 6 =$	<input type="radio"/> 5	<input type="radio"/> 7	<input type="radio"/> 6	<input type="radio"/> 8	<input type="radio"/> X
3. $5 \times 5 =$	<input type="radio"/> 23	<input type="radio"/> 24	<input type="radio"/> 25	<input type="radio"/> 26	<input type="radio"/> X
4. $30 \div 3 =$	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 9	<input type="radio"/> 8	<input type="radio"/> X
5. $6 + 7 =$	<input type="radio"/> 15	<input type="radio"/> 13	<input type="radio"/> 14	<input type="radio"/> 12	<input type="radio"/> X
1. $.03 + 1.5 =$	<input type="radio"/> 1.8	<input type="radio"/> 1.53	<input type="radio"/> 4.5	<input type="radio"/> 81	<input type="radio"/> X
2. $.9 \times .07 =$	<input type="radio"/> .63	<input type="radio"/> .97	<input type="radio"/> 6.3	<input type="radio"/> 0.063	<input type="radio"/> X
3. $10 \div .2 =$	<input type="radio"/> 5	<input type="radio"/> .15	<input type="radio"/> .5	<input type="radio"/> 20	<input type="radio"/> X
4. 8% of 30 =	<input type="radio"/> 2.4	<input type="radio"/> .02	<input type="radio"/> .024	<input type="radio"/> 3.8	<input type="radio"/> X
1. $1/5 + 1/6 =$	<input type="radio"/> 2/25	<input type="radio"/> 3/5	<input type="radio"/> 1/15	<input type="radio"/> 11/30	<input type="radio"/> X
2. $1 \div 1/3 =$	<input type="radio"/> 30	<input type="radio"/> 1/3	<input type="radio"/> 13	<input type="radio"/> 3	<input type="radio"/> X
3. $1/2 - 2/5 =$	<input type="radio"/> 1/10	<input type="radio"/> 1/5	<input type="radio"/> 3/5	<input type="radio"/> 3/10	<input type="radio"/> X
4. $3/8 \times 2/9 =$	<input type="radio"/> 6/17	<input type="radio"/> 5/17	<input type="radio"/> 1/12	<input type="radio"/> 5/8	<input type="radio"/> X

### Correct Answers

1. $5 + 5 =$	<input type="radio"/> 8	<input type="radio"/> 11	<input type="radio"/> 9	<input type="radio"/> 12	<input checked="" type="radio"/> X
2. $12 - 6 =$	<input type="radio"/> 5	<input type="radio"/> 7	<input checked="" type="radio"/> 6	<input type="radio"/> 8	<input type="radio"/> X
3. $5 \times 5 =$	<input type="radio"/> 23	<input type="radio"/> 24	<input checked="" type="radio"/> 25	<input type="radio"/> 26	<input type="radio"/> X
4. $30 \div 3 =$	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 9	<input type="radio"/> 8	<input checked="" type="radio"/> X
5. $6 + 7 =$	<input type="radio"/> 15	<input checked="" type="radio"/> 13	<input type="radio"/> 14	<input type="radio"/> 12	<input type="radio"/> X
1. $.03 + 1.5 =$	<input type="radio"/> 1.8	<input checked="" type="radio"/> 1.53	<input type="radio"/> 4.5	<input type="radio"/> 81	<input type="radio"/> X
2. $.9 \times .07 =$	<input type="radio"/> .63	<input type="radio"/> .97	<input type="radio"/> 6.3	<input checked="" type="radio"/> .063	<input type="radio"/> X
3. $10 \div .2 =$	<input type="radio"/> 5	<input type="radio"/> .15	<input type="radio"/> .5	<input type="radio"/> 20	<input checked="" type="radio"/> X
4. 8% of 30 =	<input checked="" type="radio"/> 2.4	<input type="radio"/> .02	<input type="radio"/> .024	<input type="radio"/> 3.8	<input type="radio"/> X
1. $1/5 + 1/6 =$	<input type="radio"/> 2/25	<input type="radio"/> 3/5	<input type="radio"/> 1/15	<input checked="" type="radio"/> 11/30	<input type="radio"/> X
2. $1 \div 1/3 =$	<input type="radio"/> 30	<input type="radio"/> 1/3	<input type="radio"/> 13	<input checked="" type="radio"/> 3	<input type="radio"/> X
3. $1/2 - 2/5 =$	<input checked="" type="radio"/> 1/10	<input type="radio"/> 1/5	<input type="radio"/> 3/5	<input type="radio"/> 3/10	<input type="radio"/> X
4. $3/8 \times 2/9 =$	<input type="radio"/> 6/17	<input type="radio"/> 5/17	<input checked="" type="radio"/> 1/12	<input type="radio"/> 5/8	<input type="radio"/> X

## Verbal Reasoning

This exercise is designed to measure the ability to combine separate pieces of information and to form conclusions on the basis of that information. A list of facts is presented for you to review. Five conclusions follow each list. Based upon factual information given, you indicate whether each conclusion is true, false, or uncertain. There is a five minute time limit for this test. A sample problem is shown below:

Look at the sample problems below. First read the list of facts. After you have read all the facts, look at each conclusion. From the facts, you can tell that some of the conclusions are definitely true and some are definitely false, but in some cases you just cannot tell from the facts whether the conclusion is either true or false. If you decide a conclusion is true, mark the answer space under "T." If it is definitely false, mark the answer space under "F." If the facts do not give enough information to tell whether a conclusion is definitely true or definitely false, mark the answer space under "X."

FACTS	T	F	X	CONCLUSIONS
Chris is a welder	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Chris does not work for Company B
Terry works for Company B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Chris' son is ill
Chris' only child is a girl	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Chris works for Company C
Company A makes automotive parts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Terry is a welder
Company B employs no welders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Chris welds automotive parts

### Correct Answers

FACTS	T	F	X	CONCLUSIONS
Chris is a welder	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Chris does not work for Company B
Terry works for Company B	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Chris' son is ill
Chris' only child is a girl	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Chris works for Company C
Company A makes automotive parts	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Terry is a welder
Company B employs no welders	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Chris welds automotive parts

## Visual Speed and Accuracy

This component is designed to measure visual perceptual skill in a quick and precise manner. The applicant reads a pair of numerical strings which may contain symbols or letters. The applicant then indicates whether the pair of items is the same or different. There is a time limit for this entire section. A sample problem is shown below.

Look at the pair of numbers below. The first pair of numbers, 792 and 792, are exactly alike. Therefore the circle in front of **S** (same) has been marked. The second pair of numbers, 6123 and 6122, are not exactly the same. Therefore, the circle in front of **D** (different) has been marked. The next pair, \$898 and \$898, are marked to show that they are the same. The fourth pair, 72.10 and 72,10 are marked as different because one has a comma in it while the other has a period.

Now mark the next four items for practice.

S1.	792	792	<input checked="" type="radio"/> S	<input type="radio"/> D	S5.	33333	33323	<input type="radio"/> S	<input type="radio"/> D
S2.	6123	6122	<input type="radio"/> S	<input checked="" type="radio"/> D	S6.	117!	117!	<input type="radio"/> S	<input type="radio"/> D
S3.	\$898	\$898	<input checked="" type="radio"/> S	<input type="radio"/> D	S7.	42	24	<input type="radio"/> S	<input type="radio"/> D
S4.	72.10	72,10	<input type="radio"/> S	<input checked="" type="radio"/> D	S8.	6696	6696	<input type="radio"/> S	<input type="radio"/> D

## DO YOUR BEST

A general reference book is always invaluable as a supplement to other textbooks from classes or specific subjects, and as an instrument for general review in preparing for qualifying tests. Additional resources for improving your understanding of the concepts above may be found at your local libraries and bookstores.

We hope you find this information helpful. Make sure that when you are scheduled to take the test you are physically and mentally alert and ready to do your best, or you should reschedule your appointment.