

***PRACTICE TEST***  
***for***  
***TABLES AND GRAPHS***  
***includes***  
***PART I - TABLES***  
***PART II - GRAPHS***

THIS TEST MIMICS THE STYLE OF TEST FOR  
TABLES AND GRAPHS USED BY THE PLANT  
OPERATOR SELECTION SYSTEM (POSS).

**PRACTICING WITH TABLES AND GRAPHS**

The Plant Operator Selection System (POSS) includes tests for tables and graphs.

To help you prepare, a two-part practice test follows. Each part is designed so you may practice correctly interpreting tables and graphs within a suggested time limit.

**Part I** concerns reading tables that are similar in design to multiplication tables. The questions you answer will be multiple-choice and depend upon you accurately choosing answers (values or information) from the table. Carefully review the instructions before beginning this part, and then set a timer for three (3) minutes. You should be able to answer all 24 questions within this time.

**Part II** checks your ability to interpret charts with graphed information. In this part, you are also presented a choice of possible answers. Carefully review the instructions before beginning this part, and then set a timer for two (2) minutes. You should be able to read the instructions and answer all 14 questions within this time.

Practicing taking these tests will familiarize you with the style of the real selection tests. To create conditions most like a real test:

- Practice by taking Part I and Part II tests, together one after the other
- Be sure to set a timer before beginning each part
- Do not look at the answers until you have completed all the test questions

**PART I - TABLES**

**HOW TO TAKE THIS TEST**

These instructions provide an example using the sample Table A, shown below:

**Table A**  
**Capacity of Freight Elevator in CF (Volume)**

Maximum Load Capacity in LBS	Elevator Speed in Feet per Minute (FPM)		
	75	100	125
2000	289.2	289.2	293.4
2250	301.2	301.2	301.2
2500	340.2	340.2	347.8

Table A gives you information about the volumetric capacity of freight elevators (*note the title of the table*), as measured in cubic feet (CF), for certain conditions. The conditions are determined by the values in the *first column* on the left side, which shows the maximum load, or weight, that the elevator may carry in pounds. The *top row* shows how fast an elevator as measured in feet per minute.

For example, for an elevator with a maximum load of 2250 LBS and a speed of 100 FPM, read across from 2250 and down from 100. In this case, the volume of the elevator will be 301.2 cubic feet.

Maximum Load Capacity in LBS	Elevator Speed in Feet per Minute (FPM)		
	75	100	125
2000	289.2	289.2	293.4
2250	301.2	301.2	301.2
2500	340.2	340.2	347.8

Now consider a sample problem that rearranges the information somewhat:

Max Load Capacity in LBS	Elevator Speed (FPM)	Capacity of Freight Elevator in CF (Volume)			
		A	B	C	D
2500	125	427.7 ○	567.0 ○	347.8 ○	525.9 ○

The two left-hand columns are Max Load Capacity and Elevator Speed. In the row shown, the Max Load Capacity is 2500 and the elevator speed is 125. Refer back to the Table A, read across from 2500, and down from 125. See next page for how this is done.

Tables and Graphs Test #2

Maximum Load Capacity in LBS	Elevator Speed in Feet per Minute (FPM)		
	75	100	125
2000	289.2	289.2	293.4
2250	301.2	301.2	301.2
2500	313.2	313.2	347.8

Now you see that 347.8 is the correct volume of the elevator. Therefore, in this case, you completely fill the circle to the right of 347.8 to show this is the correct answer:

Max Load Capacity in LBS	Elevator Speed (FPM)	Capacity of Freight Elevator in CF (Volume)			
		A	B	C	D
2500	125	427.7 <input type="radio"/>	567.0 <input type="radio"/>	347.8 <input checked="" type="radio"/>	525.9 <input type="radio"/>

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**BEGIN TEST PART I**

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Table I is the reference information for the test questions built into the table on the next page. Completing the table on the next page requires looking up 24 sets of information from Table I. The suggested time limit to answer all 24 questions is three (3) minutes. To answer each test question, refer to this table. Select your answer by filling the circle to the right of the answer you choose. Remember, speed AND accuracy are important. Check your work if you have time.

**Table I**

**Capacity of Freight Elevator in CF (Volume)**

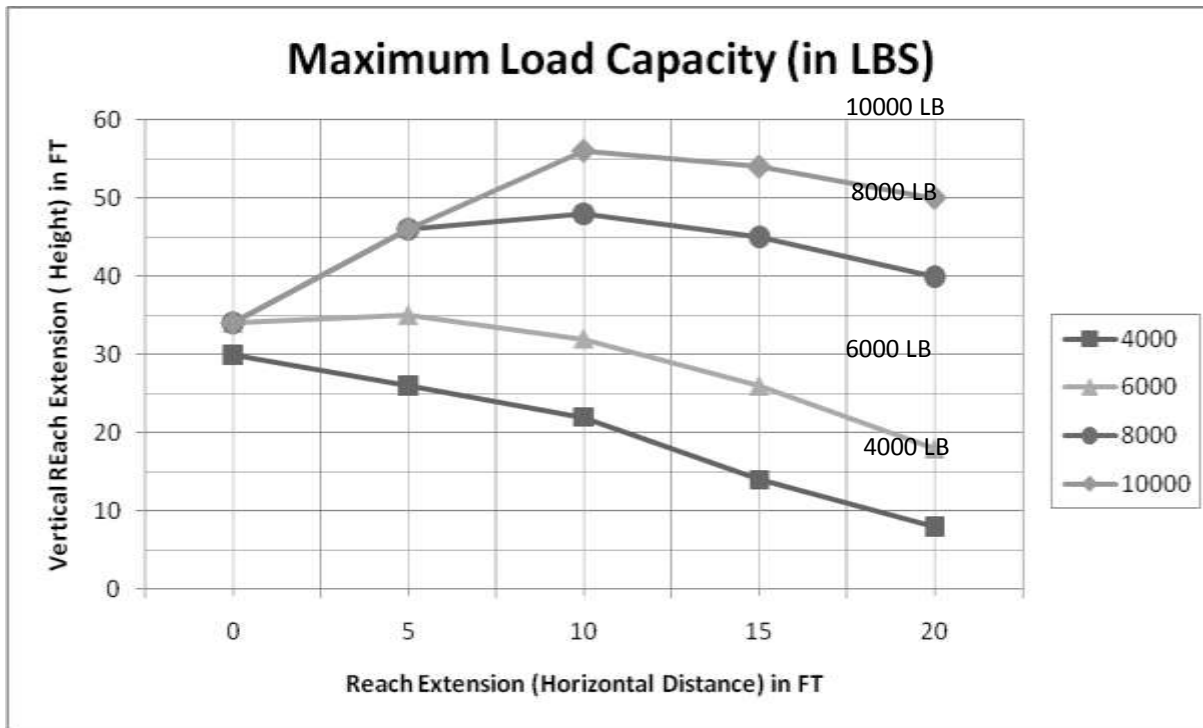
Maximum Load Capacity in LBs	Elevator Speed in Feet per Minute (FPM)							
	75	100	125	150	175	200	225	250
<b>2000</b>	289.2	289.2	293.4	297.1	325.3	474.7	538.8	624.2
<b>2250</b>	301.2	301.2	301.2	313.3	325.3	479.5	545.6	633.8
<b>2500</b>	340.2	340.2	347.8	349.5	382.7	558.7	634.2	734.8
<b>2750</b>	354.3	354.3	354.3	368.5	382.7	564.1	641.9	745.5
<b>3000</b>	380.2	380.2	386.3	390.6	427.7	624.2	708.4	820.7
<b>3250</b>	396.0	396.0	396.0	411.9	427.7	630.5	717.4	833.2
<b>3300</b>	420.2	420.2	425.1	431.8	472.7	689.7	782.7	906.7
<b>3500</b>	437.7	437.7	442.2	455.2	472.7	697.3	793.5	921.9
<b>3600</b>	472.7	472.7	487.8	491.6	510.6	754.1	858.5	997.6
<b>3750</b>	499.3	499.3	506.8	519.3	539.3	795.7	905.5	1052.1
<b>4000</b>	525.9	525.9	525.9	546.9	568.0	837.2	952.6	1106.5
<b>4250</b>	534.8	534.8	534.8	556.1	577.5	851.3	968.7	1125.1
<b>4500</b>	543.6	543.6	543.6	565.4	587.1	865.4	984.7	1143.8
<b>4750</b>	555.3	555.3	555.3	577.5	599.7	884.0	1005.9	1168.4
<b>5000</b>	567.0	567.0	567.0	589.7	612.4	902.7	1027.1	1193.0

Test Questions for Test Part I

Max Load Capacity in LBS	Elevator (FPM)	Speed	Capacity of Freight Elevator in CF (Volume)			
			A	B	C	D
4000	125		427.7 <input type="radio"/>	567.0 <input type="radio"/>	396.0 <input type="radio"/>	525.9 <input type="radio"/>
2000	225		427.7 <input type="radio"/>	538.8 <input type="radio"/>	425.1 <input type="radio"/>	437.7 <input type="radio"/>
4750	100		555.3 <input type="radio"/>	386.3 <input type="radio"/>	420.2 <input type="radio"/>	906.7 <input type="radio"/>
4750	225		546.9 <input type="radio"/>	1005.9 <input type="radio"/>	289.2 <input type="radio"/>	624.2 <input type="radio"/>
3750	100		474.7 <input type="radio"/>	555.3 <input type="radio"/>	499.3 <input type="radio"/>	837.2 <input type="radio"/>
4250	75		997.6 <input type="radio"/>	851.3 <input type="radio"/>	349.5 <input type="radio"/>	534.8 <input type="radio"/>
4750	200		884.0 <input type="radio"/>	1052.1 <input type="radio"/>	368.5 <input type="radio"/>	427.7 <input type="radio"/>
2000	175		325.3 <input type="radio"/>	905.5 <input type="radio"/>	641.9 <input type="radio"/>	340.3 <input type="radio"/>
2000	100		577.5 <input type="radio"/>	1193.0 <input type="radio"/>	708.4 <input type="radio"/>	289.2 <input type="radio"/>
4250	225		420.2 <input type="radio"/>	968.7 <input type="radio"/>	543.6 <input type="radio"/>	565.4 <input type="radio"/>
3600	125		499.3 <input type="radio"/>	472.7 <input type="radio"/>	487.8 <input type="radio"/>	902.7 <input type="radio"/>
3300	250		906.7 <input type="radio"/>	386.3 <input type="radio"/>	396.0 <input type="radio"/>	313.3 <input type="radio"/>
4750	150		577.5 <input type="radio"/>	851.3 <input type="radio"/>	902.7 <input type="radio"/>	347.8 <input type="radio"/>
4250	175		1106.5 <input type="radio"/>	534.8 <input type="radio"/>	411.9 <input type="radio"/>	577.5 <input type="radio"/>
3000	100		289.2 <input type="radio"/>	420.2 <input type="radio"/>	380.2 <input type="radio"/>	905.5 <input type="radio"/>
4750	125		717.4 <input type="radio"/>	921.9 <input type="radio"/>	396.0 <input type="radio"/>	555.3 <input type="radio"/>
2250	150		1052.1 <input type="radio"/>	793.5 <input type="radio"/>	427.7 <input type="radio"/>	313.3 <input type="radio"/>
3600	225		968.7 <input type="radio"/>	313.3 <input type="radio"/>	858.5 <input type="radio"/>	708.4 <input type="radio"/>
5000	250		382.7 <input type="radio"/>	1193.0 <input type="radio"/>	624.2 <input type="radio"/>	340.2 <input type="radio"/>
3250	175		427.7 <input type="radio"/>	555.3 <input type="radio"/>	837.2 <input type="radio"/>	382.7 <input type="radio"/>
3500	75		437.7 <input type="radio"/>	289.2 <input type="radio"/>	543.6 <input type="radio"/>	577.5 <input type="radio"/>
2750	200		564.1 <input type="radio"/>	382.7 <input type="radio"/>	349.5 <input type="radio"/>	1125.1 <input type="radio"/>
3750	150		1168.4 <input type="radio"/>	396.0 <input type="radio"/>	1125.1 <input type="radio"/>	519.3 <input type="radio"/>
4500	200		997.6 <input type="radio"/>	865.4 <input type="radio"/>	382.7 <input type="radio"/>	534.8 <input type="radio"/>

## PART II - GRAPHS

### HOW TO TAKE THIS TEST



These instructions provide an example using the sample graph, above, titled "Maximum Load Capacity (in LBS)." This graph gives the load limitations for a rough terrain forklift. The maximum load capacity differs depending on the line read on the graph. In this graph example, there are four load capacities:

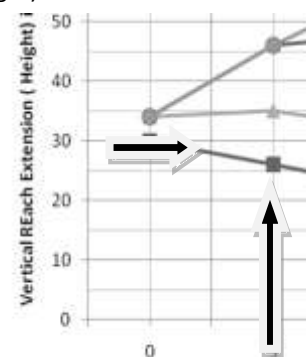
- 10,000 LB capacity shown by a line with diamonds marks
- 8,000 LB capacity shown by a line with dotted marks
- 6,000 LB capacity shown by a line with triangular marks
- 4,000 LB capacity shown by a line with square marks

Each loading condition is limited by both how far out the arm of the forklift reaches "Reach Extension (Horizontal Distance) in FT" and how high the forklift arm must be raised when loaded "Vertical Reach Extension (Height) in FT." The test evaluates your ability to read the graph and select correct values for two types of tables.

**For the first table type, consider this example:**

*A height of 35 FT and reach of 5 FT match at the line with triangle marks. Read across from 35 and up from 5. In this case, the maximum load that the forklift can handle is 6000 LBS.*

As you can see on the next page, the answer for 6000 LBS has been darkened.



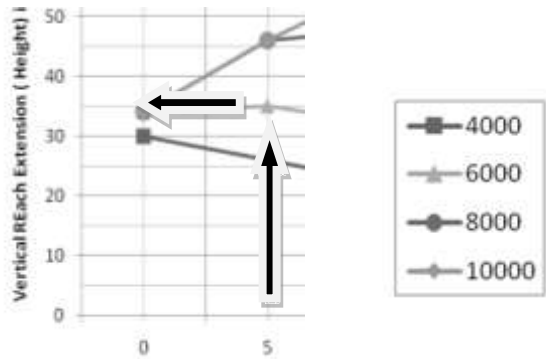
Vertical Reach (Height) in FT	Horizontal Reach in FT	4000	6000	8000	10000
35	5	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

**For the second table type, consider this example that rearranges the information somewhat:**

The two left-hand columns are Horizontal Reach and Maximum Load Capacity.

In the row shown, the Horizontal Reach is 5 and the Maximum Load Capacity is 6000 LBS. Refer back to the graph and read up from 5 until the line representing the 6000 LBS is intersected. From the point of intersection, follow the horizontal line to the left to read the Vertical Reach Extension (Height) in FT. Note that each horizontal line marks 2 FT.

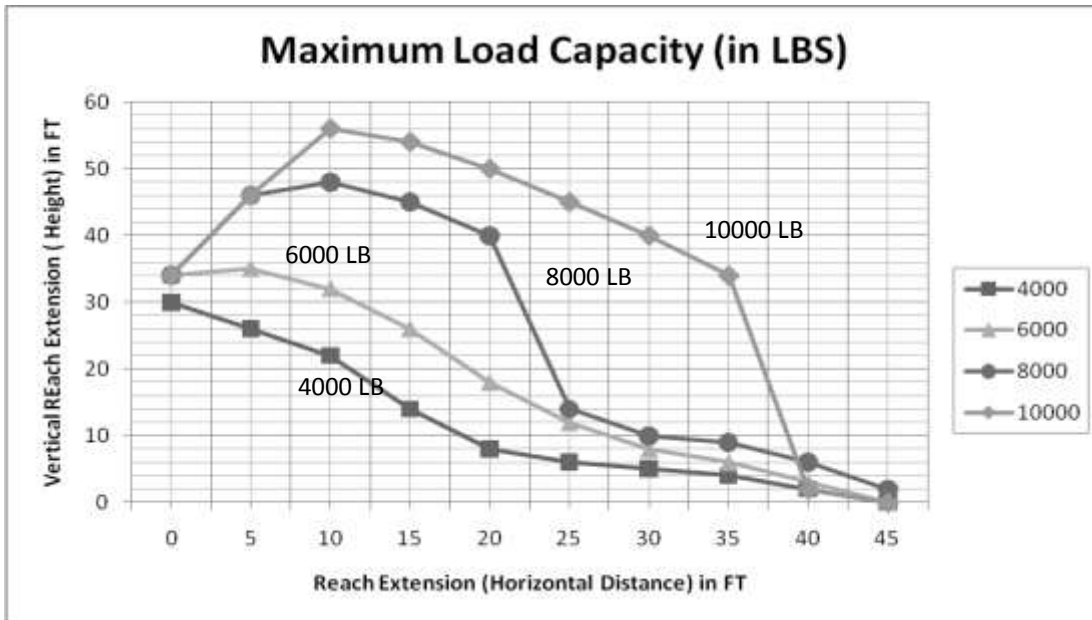
As you can see below, the answer for 35 FT has been darkened.



Horizontal Reach	Maximum Load Capacity (LBS)	Vertical Reach Extension (Height) in FT				
		25	30	46	35	40
5	6000	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

**BEGIN TEST PART II**

The graph shown is the reference information for the test questions built into the two tables that follow. Completing the tables requires looking up 14 sets of information from the graph. The suggested time limit to answer all 14 questions is two (2) minutes. To answer each test question, refer to the graph. Select your answer by filling the circle to the right of the answer you choose. Remember, speed AND accuracy are important. Check your work if you have time.



Vertical Reach (Height) in FT	Horizontal Reach in FT	4000	6000	8000	10000
26	5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
35	34	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10	32	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
25	14	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
40	6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15	54	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
30	8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Horizontal Reach	Max. Load Capacity (LBS)	Vertical Reach Extension (Height) in FT				
		8	45	2	60	15
15	8000	8 <input type="radio"/>	45 <input type="radio"/>	2 <input type="radio"/>	60 <input type="radio"/>	15 <input type="radio"/>
20	6000	36 <input type="radio"/>	20 <input type="radio"/>	40 <input type="radio"/>	34 <input type="radio"/>	18 <input type="radio"/>
45	8000	6 <input type="radio"/>	50 <input type="radio"/>	75 <input type="radio"/>	18 <input type="radio"/>	45 <input type="radio"/>
0	4000	8 <input type="radio"/>	15 <input type="radio"/>	30 <input type="radio"/>	10 <input type="radio"/>	5 <input type="radio"/>
25	10000	65 <input type="radio"/>	10 <input type="radio"/>	60 <input type="radio"/>	20 <input type="radio"/>	45 <input type="radio"/>
5	4000	45 <input type="radio"/>	60 <input type="radio"/>	34 <input type="radio"/>	26 <input type="radio"/>	20 <input type="radio"/>
10	10000	5 <input type="radio"/>	56 <input type="radio"/>	18 <input type="radio"/>	65 <input type="radio"/>	40 <input type="radio"/>