



# **RED SEAL EXAM**

# **SELF-ASSESSMENT GUIDE**

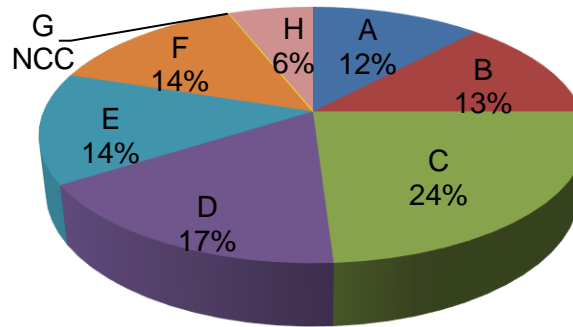
## **PLUMBER**



# Red Seal Exam Weighting

This pie chart represents the distribution of questions on the Red Seal Exam. The self-assessment on the next pages shows the Tasks and Sub-tasks within each Major Work Activity and the number of questions assigned to each Major Work Activity and Task.




The Red Seal Exam for this trade has 125 questions.



	<b>Major Work Activity / Exam Section</b>	<b>Percentage of Questions</b>	<b>Number of Questions out of 125</b>
A	Performs Common Occupational Skills	12%	15
B	Prepares and Assembles Pipe	13%	25
C	Installs, Tests and Services Sewers, Sewage Treatment Systems and Drainage, Waste and Vent (DWV) Systems	24%	30
D	Installs, Tests and Services Water Service and Distribution	17%	21
E	Installs, Tests and Services Fixtures, Appliances and Water Treatment Systems	14%	18
F	Installs, Tests and Services Low Pressure Steam and Hydronic Heating and Cooling Systems	14%	18
G	Installs, Tests and Services Fire Protection Systems <b>(Not Common Core)</b>	0	0
H	Installs, Tests and Services Specialized Plumbing Systems	6%	8

# Breakdown of Red Seal Exam Questions and Self-Assessment

Rate your own understanding and experience with each task. Look at the activities that make up each task and consider your experience with them of them when rating yourself. Be honest!

 <b>LOW</b>	I have <b>no or very little understanding or experience</b> in this activity
 <b>MEDIUM</b>	I <b>understand</b> this activity and have <b>some experience</b> doing it in <b>limited</b> situations
 <b>HIGH</b>	I have a <b>very good understanding</b> of this activity and am <b>fully competent</b> in doing it in <b>many</b> situations

This is not intended to accurately predict how you will actually do on the exam – there may be areas where you are over-confident or under-confident. But it should give you an idea of your strengths and weaknesses.

After you rate your own knowledge and experience as **LOW**, **MEDIUM** or **HIGH**, check how many questions there are and write down how many you think you will get correct.

**LOW**, you may not get many of those questions right.

**MEDIUM**, you might get some right.

**HIGH**, you expect to be able to get most of those questions right.

Comparing your scores with the number of questions on the exam will help you identify which areas you need to prepare the most. Add up your scores from each section to get an idea of your overall readiness for the exam.

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>A – Performs common occupational skills</b>					
A-1 Performs safety-related functions. 1.01 Maintains safe work environment. 1.02 Uses personal protective equipment (PPE) and safety equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
A-2 Uses and maintains tools and equipment. 2.01 Uses common tools and equipment. 2.02 Uses access equipment. 2.03 Uses rigging, hoisting, lifting and positioning equipment. 2.04 Rigs loads for cranes. 2.05 Uses welding equipment. 2.06 Uses soldering and brazing equipment. 2.07 Uses oxy-fuel equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>
A-3 Organizes work. 3.01 Organizes project tasks and procedures. 3.02 Organizes materials and supplies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<p>A-4 Performs routine trade activities.</p> <p>4.01 Performs piping system layout.</p> <p>4.02 Calculates pipe, tube and tubing lengths.</p> <p>4.03 Calculates piping offsets.</p> <p>4.04 Installs piping supports.</p> <p>4.05 Installs sleeves.</p> <p>4.06 Commissions systems.</p> <p>4.07 Protects piping systems, equipment and structure from damage.</p> <p>4.08 Coordinates excavation and backfilling of trenches.</p> <p>4.09 Installs fire stopping devices and materials.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>
<p>A-5 Uses communication and mentoring techniques</p> <p>5.01 Uses communication techniques.</p> <p>5.02 Uses mentoring techniques.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	<input type="text"/>
Total number of questions for this section:				<b>15</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS  <input type="text"/>

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>B – Prepares and assembles pipe</b>					
B-6 Prepares pipe. 6.01 Inspects tube, tubing, pipe and fittings before installation. 6.02 Cuts tube, tubing and pipe. 6.03 Bends tube, tubing and pipe. 6.04 Prepares tube, tubing and pipe connections.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input type="text"/>
B-7 Joins tube, tubing and pipe. 7.01 Joins copper tube, tubing and pipe. 7.02 Joins plastic pipe and tubing. 7.03 Joins steel pipe. 7.04 Joins cast iron pipe. 7.05 Joins specialized pipe.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	<input type="text"/>
Total number of questions for this section:				<b>15</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS <input type="text"/>

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>C – Installs, tests and services sewers, sewage treatment systems and drainage, waste and vent (DWV) systems</b>					
C-8 Installs, tests and services sewers. 8.01 Sizes pipe for sewers. 8.02 Installs manholes and catch basins. 8.03 Installs piping for sewers. 8.04 Tests manholes, catch basins and piping for sewers. 8.05 Services manholes, catch basins and piping for sewers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input type="text"/>
C-9 Installs, tests and services sewage treatment systems. 9.01 Plans installation of sewage treatment systems. 9.02 Installs sewage treatment system components. 9.03 Tests sewage treatment systems and components. 9.04 Services sewage treatment systems and components.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<p>C-10 Installs, tests and services interior drainage, waste and vent (DWV) systems.</p> <p>10.01 Sizes pipe for interior drainage, waste and vent (DWV) systems.</p> <p>10.02 Installs underground piping and components for interior drainage, waste and vent (DWV) systems.</p> <p>10.03 Installs piping and components for interior drainage, waste and vent (DWV) systems above-ground.</p> <p>10.04 Tests interior drainage, waste and vent (DWV) systems.</p> <p>10.05 Services piping and components for interior drainage, waste and vent (DWV) systems.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	
Total number of questions for this section:				<b>30</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS  <div style="background-color: #cccccc; height: 20px; width: 100%;"></div>



	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>D – Installs, tests and services water service and distribution</b>					
D-11 Installs, tests and services water services. 11.01 Sizes pipe for water services. 11.02 Installs piping for water services. 11.03 Installs water service equipment. 11.04 Tests water service piping and components. 11.05 Services water services.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
D-12 Installs, tests and services potable water distribution systems. 12.01 Sizes piping and equipment for potable water distribution systems. 12.02 Installs piping for potable water distribution systems. 12.03 Installs potable water distribution equipment. 12.04 Installs and uses cross-connection control devices and methods. 12.05 Tests potable water distribution systems. 12.06 Services potable water distribution systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	<input type="text"/>

	<p>● <b>LOW</b> Understanding / Experience</p>	<p>● <b>MEDIUM</b> Understanding / Experience</p>	<p>● <b>HIGH</b> Understanding / Experience</p>	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<p>D-13 Installs, tests and services pressure systems.            13.01 Sizes pressure systems.            13.02 Installs piping for pressure systems.            13.03 Installs equipment and components for pressure systems.            13.04 Tests pressure systems.            13.05 Services pressure systems.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
Total number of questions for this section:				<b>21</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS <input type="text"/>

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>E – Installs, tests and services fixtures, appliances and water treatment systems</b>					
E-14 Installs, tests and services plumbing fixtures and appliances. 14.01 Installs fixture supports. 14.02 Installs plumbing fixtures and appliances. 14.03 Tests plumbing fixtures and appliances. 14.04 Services plumbing fixtures and appliances.	□	□	□	13	
E-15 Installs, tests and services water treatment equipment. 15.01 Sizes water treatment equipment. 15.02 Installs water treatment equipment. 15.03 Tests water treatment equipment. 15.04 Services water treatment equipment.	□	□	□	5	
Total number of questions for this section:				<b>18</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS  □

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>F – Installs, tests and services low pressure steam and hydronic heating and cooling systems</b>					
<p>F-16 Installs, tests and services low pressure steam systems.</p> <p>16.01 Sizes piping and components for low pressure steam systems.</p> <p>16.02 Installs piping and components for low pressure steam systems.</p> <p>16.03 Tests piping and components for low pressure steam systems.</p> <p>16.04 Services piping and components for low pressure steam systems.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
<p>F-17 installs, tests and services hydronic heating and cooling piping systems.</p> <p>17.01 Sizes piping and components for hydronic systems.</p> <p>17.02 Installs piping and components for hydronic systems.</p> <p>17.03 Tests piping and components for hydronic systems.</p> <p>17.04 Services piping and components for hydronic systems.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
F-18 Installs, tests and services hydronic heating and cooling generating systems. 18.01 Installs hydronic heating generating systems. 18.02 Installs hydronic cooling generating systems. 18.03 Tests hydronic heating and cooling generating systems. 18.04 Services hydronic heating and cooling generating systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
F-19 Installs, tests and services hydronic system controls and transfer units. 19.01 Installs hydronic system controls. 19.02 Installs hydronic transfer units. 19.03 Tests hydronic system controls and transfer units. 19.04 Services hydronic system controls and transfer units.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
Total number of questions for this section:				<b>18</b>	<b>SUM OF YOUR EXPECTED CORRECT ANSWERS</b> <input type="text"/>

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>G – Installs, tests and services fire protection systems</b>					
G-20 Installs, tests and services flow-through fire protection systems (Not Common Core). 20.01 Installs flow-through fire protection systems (Not Common Core). 20.02 Tests flow-through fire protection systems (Not Common Core). 20.03 Services flow-through fire protection systems (Not Common Core).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	
G-21 Installs, tests and services standpipe systems (Not Common Core). 21.01 Installs piping and equipment for standpipe systems (Not Common Core). 21.02 Tests standpipe systems (Not Common Core). 21.03 Services standpipe systems (Not Common Core).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	
Total number of questions for this section:				<b>0</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS  <div style="background-color: #cccccc; width: 100px; height: 20px; margin: 0 auto;"></div>

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>H – Installs, tests and services specialized plumbing systems</b>					
H-22 Installs, tests and services specialized systems. 22.01 Installs piping for specialized systems. 22.02 Installs equipment and components for specialized systems. 22.03 Tests specialized systems. 22.04 Services specialized systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
H-23 Installs, tests and services process piping systems. 23.01 Installs piping for process piping systems. 23.02 Installs equipment and components for process piping systems. 23.03 Tests process piping systems. 23.04 Services process piping systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
Total number of questions for this section:				<b>8</b>	<b>SUM OF YOUR EXPECTED CORRECT ANSWERS</b> <input type="text"/>

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
Now, add up the totals you gave yourself for each section.				TOTAL NUMBER OF QUESTIONS  125	MY EXPECTED TOTAL  <input type="text"/>



## Interpreting your Self-Assessment

What score did you give yourself?

Divide it by the number of questions to get a percentage.

The passing mark for the Red Seal exam is 70%. If you rated yourself higher than that overall, you feel pretty confident that your experience and knowledge in the trade are good enough for a pass. However, remember that this self-assessment is just a guide. We still encourage you to develop a study plan and to consider the areas where you rated yourself as less confident.

If your overall score is less than 70%, you might have more work to do. Look more closely at your scores section by section. What are the areas where you have the most to gain?

Look over the Red Seal Exam Preparation Guide for more advice.