



# **RED SEAL EXAM**

# **SELF-ASSESSMENT GUIDE**

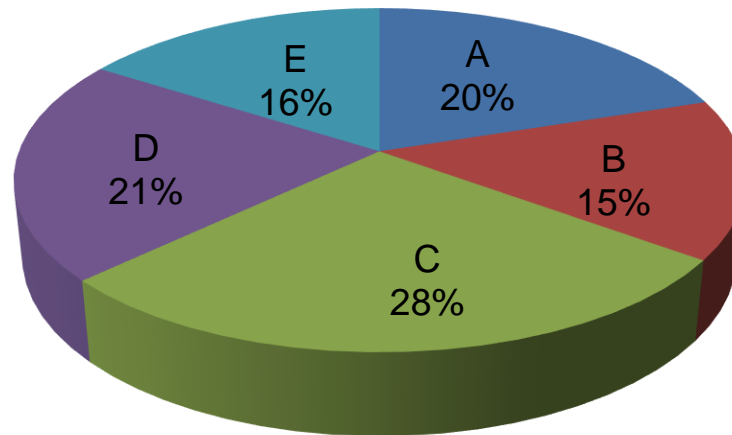
## **SPRINKLER FITTER**



# 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 120 questions.



	Major Work Activity / Exam Section	Percentage of Questions	Number of Questions out of 120
A	Performs Common Occupational Skills	20%	25
B	Installs Water Supply	15%	18
C	Installs Piping	28%	32
D	Installs and Lays out Fire Protection Systems and Devices	21%	26
E	Installs, Tests and Maintains (ITM) Fire Protection Systems	16%	19

## 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!

-  **LOW** I have **no or very little understanding or experience** in this activity
-  **MEDIUM** I **understand** this activity and have **some experience** doing it in **limited** situations
-  **HIGH** I have a **very good understanding** of this activity and am **fully competent** in doing it in **many** 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> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	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>					
Task A-1 Performs safety-related functions A-1.01 Maintains safe work environment A-1.02 Uses personal protective equipment (PPE) and safety equipment A-1.03 Performs lock-out and tag-out procedures A-1.04 Performs work in confined space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	
Task A-2 Uses and maintains tools and equipment A-2.01 Uses hand tools A-2.02 Uses portable and stationary power tools A-2.03 Uses measuring and testing equipment A-2.04 Uses access equipment A-2.05 Uses rigging, hoisting and lifting equipment A-2.06 Uses soldering and brazing equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	




	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	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?
Task A-3 Organizes work A-3.01 Interprets codes, standards, regulations and procedures A-3.02 Uses drawings and specifications A-3.03 Uses documentation and reference material A-3.04 Plans job tasks and procedures A-3.05 Prepares work site A-3.06 Performs layout of systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	
Task A-4 Commission systems A-4.01 Commissions water supply systems A-4.02 Commissions fire protection systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	




	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	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?
Task A-5 Uses communication and mentoring techniques A-5.01 Uses communication techniques A-5.02 Uses mentoring techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
Total number of questions for this section:				<b>25</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>B - Installs Water Supply</b>					
Task B-6 Installs underground water supplies B-6.01 Supervises trenching and backfilling (NOT COMMON CORE – NO QUESTIONS) B-6.02 Installs underground piping and components (NOT COMMON CORE – NO QUESTIONS) B-6.03 Flushes underground system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
Task B-7 Installs fire pump units B-7.01 Determines location of pumps, drivers, controllers and components B-7.02 Installs pumps, drivers, controllers and components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<input type="text"/>
Task B-8 Installs fire department connections B-8.01 Determines location, size and type of fire department connections B-8.02 Installs fire department connection piping and components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>




	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	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?
Task B-9 Installs private water supply systems B-9.01 Installs water tanks B-9.02 Installs related equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
Total number of questions for this section:				<b>18</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS <input type="text"/>









	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	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 Piping</b>					
Task C-10 Prepares pipe, tube and fittings for installation C-10.01 Cuts pipe and tube C-10.02 Bends pipe and tube C-10.03 Threads pipe C-10.04 Grooves pipe C-10.05 Drills pipe and tube C-10.06 Grinds pipe C-10.07 Prepares fittings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	
Task C-11 Installs pipe, tube and fittings C-11.01 Installs steel pipe, tube and fittings C-11.02 Installs plastic pipe, tube and fittings C-11.03 Installs copper pipe, tube and fittings C-11.04 Paints and labels pipe and tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	

	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	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?
Task C-12 Installs piping components C-12.01 Selects sprinklers C-12.02 Installs sprinklers and nozzles C-12.03 Installs sleeves C-12.04 Installs supports and hangers C-12.05 Installs seismic protection C-12.06 Installs cross-connection control assemblies C-12.07 Installs system drainage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	<input type="text"/>
Total number of questions for this section:				<b>32</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>D - Installs and Lays out Fire Protection Systems and Devices</b>					
Task D-13 Installs water-based systems D-13.01 Installs wet pipe systems D-13.02 Installs dry pipe systems D-13.03 Installs antifreeze systems D-13.04 Installs preaction/deluge systems D-13.05 Installs foam systems D-13.06 Installs standpipe systems D-13.07 Installs water mist and hybrid systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15	
Task D-14 Installs specialty fire suppression systems D-14.01 Installs dry and wet chemical, clean agent and carbon dioxide systems D-14.02 Installs portable extinguishers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	

	 <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?
Task D-15 Installs detection devices D-15.01 Installs wet and dry pilot lines D-15.02 Installs heat-actuated devices (HADs) (NOT COMMON CORE – NO QUESTIONS) D-15.03 Installs spark detection systems (NOT COMMON CORE – NO QUESTIONS) D-15.04 Installs air sampling systems (NOT COMMON CORE – NO QUESTIONS) D-15.05 Installs electrical detection systems (NOT COMMON CORE – NO QUESTIONS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
Task D-16 Installs signal-initiating devices D-16.01 Installs alarm-initiating devices D-16.02 Installs supervisory-initiating devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>
Total number of questions for this section:				<b>26</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 - Inspects, Tests and Maintains (ITM) Fire Protection Systems</b>					
Task E-17 Maintains and repairs fire protection systems E-17.01 Troubleshoots fire protection systems E-17.02 Repairs deficiencies E-17.03 Performs scheduled maintenance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	
Task E-18 Inspects and tests fire protection systems E-18.01 Performs scheduled tests E-18.02 Performs scheduled inspections E-18.03 Inspects portable fire extinguishers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	
Total number of questions for this section:				<b>19</b>	<b>SUM OF YOUR EXPECTED CORRECT ANSWERS</b> <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?
<p>Now, add up the totals you gave yourself for each section.</p>				TOTAL NUMBER OF QUESTIONS 120	MY EXPECTED TOTAL <input data-bbox="1734 565 1995 634" 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.