

RED SEAL EXAM

SELF-ASSESSMENT GUIDE

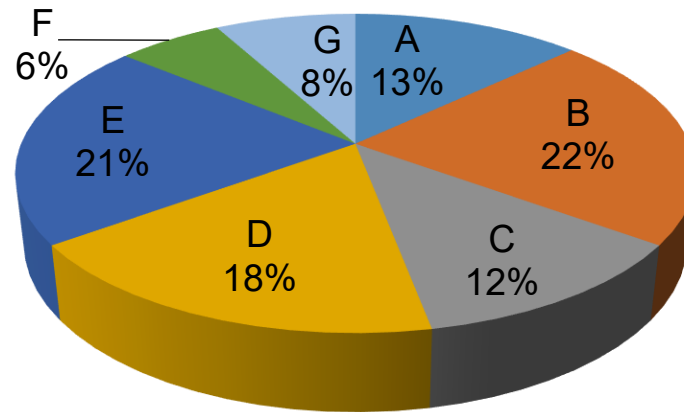
Steamfitter/Pipefitter



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 130 questions.



	Major Work Activity / Exam Section	Percentage of Questions	Number of Questions out of 130
A	Performs common occupational skills	13%	16
B	Performs layout, fabrication and piping installation	22%	29
C	Performs rigging, hoisting, lifting and positioning	12%	15
D	Installs, tests, maintains, troubleshoots and repairs low and high pressure steam and condensate systems	18%	24
E	Installs, tests, maintains, troubleshoots and repairs heating, cooling and process piping systems	21%	27
F	Installs, tests, maintains, troubleshoots and repairs renewable energy systems	6%	8
G	Performs commissioning, start-up and turnover	8%	11

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.

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
A - Performs common occupational skills					
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 Follows lock-out and tag-out (LOTO) procedures	□	□	□	4	_____
Task A-2 Uses and maintains tools and equipment A-2.01 Uses common tools and equipment A-2.02 Uses access equipment A-2.03 Uses welding equipment A-2.04 Uses soldering and brazing equipment A-2.05 Uses oxy-fuel and plasma cutting equipment	□	□	□	6	_____
Task A-3 Organizes job A-3.01 Plans work A-3.02 Generates drawings A-3.03 Interprets drawings and specifications A-3.04 Develops piping templates A-3.05 Performs quality control functions A-3.06 Handles materials and components	□	□	□	4	_____

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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 A-4 Uses communication and mentoring techniques A-4.01 Uses communication techniques A-4.02 Uses mentoring techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				16	

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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 - Performs layout, fabrication and piping installation					
Task B-5 Performs fabrication B-5.01 Fabricates piping system components B-5.02 Fabricates brackets, supports, hangers, guides and anchors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	<input type="text"/>
Task B-6 Lays out and installs piping, tubing, fittings and related components B-6.01 Lays out and installs copper tube, tubing, fittings and related components B-6.02 Lays out and installs plastic piping, fittings and related components B-6.03 Lays out and installs carbon steel piping, fittings and related components B-6.04 Lays out and installs stainless steel piping, tubing, fittings and related components B-6.05 Lays out and installs fibreglass piping, fittings and related components B-6.06 Lays out and installs specialty piping, fittings and related components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	<input type="text"/>
Task B-7 Installs, maintains, troubleshoots, repairs and tests valves B-7.01 Installs valves B-7.02 Maintains, troubleshoots, repairs and tests valves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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 B-8 Installs, tests, maintains, troubleshoots and repairs heat tracing systems B-8.01 Installs steam tracing systems B-8.02 Maintains, troubleshoots, repairs and tests steam tracing systems B-8.03 Installs liquid-filled tracing systems B-8.04 Maintains, troubleshoots, repairs and tests liquid-filled tracing systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	
Total number of questions for this section:				29	SUM OF YOUR EXPECTED CORRECT ANSWERS <div style="background-color: #cccccc; height: 20px; width: 100%;"></div>

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
C - Performs rigging, hoisting, lifting and positioning					
Task C-9 Performs common rigging, hoisting, lifting and positioning C-9.01 Determines load C-9.02 Prepares lift plan(s) for common rigging, hoisting, lifting and positioning C-9.03 Selects rigging, hoisting, lifting and positioning equipment for common lifts C-9.04 Inspects rigging, hoisting, lifting and positioning equipment C-9.05 Secures lift area C-9.06 Sets up rigging, hoisting, lifting and positioning equipment for common lifts C-9.07 Performs common lift and positioning C-9.08 Maintains and stores rigging, hoisting, lifting and positioning equipment	□	□	□	10	

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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 C-10 Performs complex and critical rigging, hoisting, lifting and positioning C-10.01 Prepares lift plan for complex and critical rigging, hoisting, lifting and positioning C-10.02 Performs calculations for complex and critical rigging, hoisting, lifting and positioning C-10.03 Selects rigging, hoisting, lifting and positioning equipment for complex and critical lifts C-10.04 Sets up rigging, hoisting, lifting and positioning equipment for complex and critical lifts C-10.05 Performs complex and critical lifts and positioning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	
Total number of questions for this section:				15	SUM OF YOUR EXPECTED CORRECT ANSWERS

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
D - Installs, tests, maintains, troubleshoots and repairs low and high pressure steam and condensate systems					
Task D-11 Installs, tests, maintains, troubleshoots and repairs low pressure steam and condensate systems D-11.01 Installs equipment for low pressure steam and condensate systems D-11.02 Installs piping for low pressure steam and condensate systems D-11.03 Tests low pressure steam and condensate systems D-11.04 Maintains, troubleshoots and repairs low pressure steam and condensate systems	□	□	□	10	

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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-12 Installs, tests, maintains, troubleshoots and repairs high pressure steam and condensate systems D-12.01 Installs equipment for high pressure steam and condensate systems D-12.02 Installs piping for high pressure steam and condensate systems D-12.03 Tests high pressure steam and condensate systems D-12.04 Maintains, troubleshoots and repairs high pressure steam and condensate systems	□	□	□	14	
Total number of questions for this section:				24	SUM OF YOUR EXPECTED CORRECT ANSWERS

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
E - Installs, tests, maintains, troubleshoots and repairs heating, cooling and process piping systems					
Task E-13 Installs, tests, maintains, troubleshoots and repairs hydronic systems E-13.01 Installs equipment for hydronic systems E-13.02 Installs piping for hydronic systems E-13.03 Tests hydronic systems E-13.04 Maintains, troubleshoots and repairs hydronic systems	□	□	□	6	
Task E-14 Installs, tests, maintains, troubleshoots and repairs process piping systems E-14.01 Installs equipment for process piping systems E-14.02 Installs piping for process piping systems E-14.03 Tests process piping systems E-14.04 Maintains, troubleshoots and repairs process piping systems	□	□	□	5	

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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>Task E-15 Installs, tests, maintains, troubleshoots and repairs industrial water and waste treatment systems</p> <p>E-15.01 Installs equipment for industrial water and waste treatment systems</p> <p>E-15.02 Installs piping for industrial water and waste treatment systems</p> <p>E-15.03 Tests industrial water and waste treatment systems</p> <p>E-15.04 Maintains, troubleshoots and repairs industrial water and waste treatment systems</p>	□	□	□	3	
<p>Task E-16 Installs, tests, maintains, troubleshoots and repairs hydraulic systems</p> <p>E-16.01 Installs equipment for hydraulic systems</p> <p>E-16.02 Installs piping and hoses for hydraulic systems</p> <p>E-16.03 Tests hydraulic systems</p> <p>E-16.04 Maintains, troubleshoots and repairs hydraulic systems</p>	□	□	□	3	

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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>Task E-17 Installs, tests, maintains, troubleshoots and repairs heating, ventilation, air conditioning and refrigeration (HVACR) systems</p> <p>E-17.01 Installs equipment for HVACR systems</p> <p>E-17.02 Installs piping for HVACR systems</p> <p>E-17.03 Tests HVACR systems</p> <p>E-17.04 Maintains, troubleshoots and repairs HVACR systems</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
<p>Task E-18 Installs, tests, maintains, troubleshoots and repairs fuel systems</p> <p>E-18.01 Installs equipment for fuel systems</p> <p>E-18.02 Installs piping for fuel systems</p> <p>E-18.03 Tests fuel systems</p> <p>E-18.04 Maintains, troubleshoots and repairs fuel systems</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	
<p>Task E-19 Installs, tests, maintains, troubleshoots and repairs medical gas systems</p> <p>E-19.01 Installs equipment for medical gas systems</p> <p>E-19.02 Installs piping for medical gas systems</p> <p>E-19.03 Tests medical gas systems</p> <p>E-19.04 Maintains, troubleshoots and repairs medical gas systems</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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 E-20 Installs, tests, maintains, troubleshoots and repairs compressed air and pneumatic systems E-20.01 Installs equipment for compressed air and pneumatic systems E-20.02 Installs piping for compressed air and pneumatic systems E-20.03 Tests compressed air and pneumatic systems E-20.04 Maintains, troubleshoots and repairs compressed air and pneumatic systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	
Task E-21 Installs and tests fire protection systems E-21.01 Installs equipment for fire protection systems- Not Common Core E-21.02 Installs piping for fire protection systems- Not Common Core E-21.03 Tests fire protection systems- Not Common Core Task E-21 Installs and tests fire protection systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	
Total number of questions for this section:				27	SUM OF YOUR EXPECTED CORRECT ANSWERS

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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 - Installs, tests, maintains, troubleshoots and repairs renewable energy systems					
Task F-22 Installs, tests, maintains, troubleshoots and repairs geo-exchange and geothermal systems F-22.01 Installs equipment for geo-exchange and geothermal systems F-22.02 Installs piping for geo-exchange and geo-thermal systems F-22.03 Tests geo-exchange and geothermal systems F-22.04 Maintains, troubleshoots and repairs geo-exchange and geothermal systems	□	□	□	2	
Task F-23 Installs, tests, maintains, troubleshoots and repairs solar heating systems F-23.01 Installs equipment for solar heating systems F-23.02 Installs piping for solar heating systems F-23.03 Tests solar heating systems F-23.04 Maintains, troubleshoots and repairs solar heating systems	□	□	□	2	

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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 F-24 Installs, tests, maintains, troubleshoots and repairs heat recovery systems F-24.01 Installs equipment for heat recovery systems F-24.02 Installs piping for heat recovery systems F-24.03 Tests heat recovery systems F-24.04 Maintains, troubleshoots and repairs heat recovery systems	□	□	□	4	
Total number of questions for this section:				8	SUM OF YOUR EXPECTED CORRECT ANSWERS

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
G - Performs commissioning, start-up and turnover					
Task G-25 Prepares system for commissioning, start-up and turnover G-25.01 Flushes system G-25.02 Chemically treats system G-25.03 Pre-checks system for commissioning G-25.04 Selects and connects commissioning equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	
Task G-26 Commissions systems G-26.01 Secures commissioning area G-26.02 Pressurizes system G-26.03 Inspects system G-26.04 Corrects faulty conditions G-26.05 Participates in start-up and turnover procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	
Total number of questions for this section:				11	SUM OF YOUR EXPECTED CORRECT ANSWERS
Now, add up the totals you gave yourself for each section.				TOTAL NUMBER OF QUESTIONS 130	MY EXPECTED TOTAL

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.