PROGRAM PROGRAMME
EXCELLENCE
RED SEAL · SCEAU ROUGE

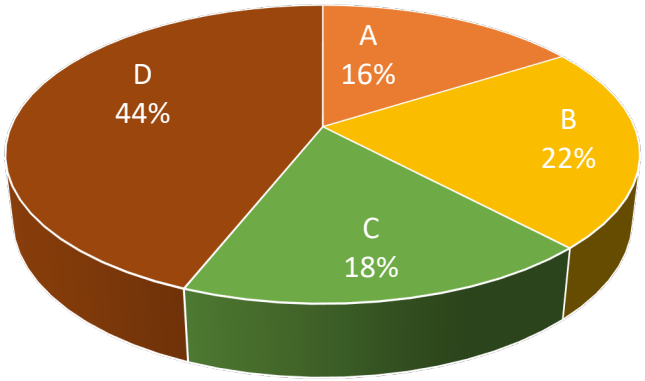
RED SEAL EXAM
SELF-ASSESSMENT GUIDE
WELDER

INTERPROVINCIAL STANDARD
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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.



	Major Work Activity / Exam Section	Percentage of Questions	Number of Questions out of 125
A	Common occupational skills	16%	20
B	Fabrication and preparation of components for welding	22%	28
C	Cutting and gouging	18%	23
D	Welding processes	44%	54

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 1 Maintains tools and equipment A-1.01 Maintains hand, power, layout and measuring tools A-1.02 Maintains stationary machinery A-1.03 Maintains thermal cutting equipment A-1.04 Maintains welding equipment	❑	❑	❑	4	
Task 2 Uses access and material handling equipment A-2.01 Uses access equipment A-2.02 Uses material handling equipment	❑	❑	❑	3	
Task 3 Performs safety-related activities A-3.01 Performs hazard assessments A-3.02 Maintains safe work environment A-3.03 Uses personal protective equipment (PPE) and safety equipment	❑	❑	❑	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 4 Organizes work A-4.01 Uses documentation and reference material A-4.02 Interprets drawings and welding symbols A-4.03 Plans job tasks A-4.04 Organizes materials	❑	❑	❑	3	
Task 5 Performs routine trade activities A-5.01 Performs quality inspection A-5.02 Marks welds, materials and parts A-5.03 Controls temperature of weldments A-5.04 Stores welding consumables and gas cylinders A-5.05 Selects welding processes and power source A-5.06 Performs equipment start-up and shut-down A-5.07 Finishes final product	❑	❑	❑	6	
Task 6 Uses communications and mentoring techniques A-6.01 Uses communication techniques A-6.02 Uses mentoring techniques	❑	❑	❑	0	

	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?
					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**2420**	
B – Performs layout and fabrication of components for welding					
Task 7 Performs layout B-7.01 Develops templates B-7.02 Transfers dimensions from drawings to materials	❑	❑	❑	12	
Task 8 Fabricates components B-8.01 Prepares materials B-8.02 Fits components for welding B-8.03 Assembles components	❑	❑	❑	16	
					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**28**	

	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 Cutting and Gouging					
Task 9 Uses tools and equipment for non-thermal cutting and grinding C-9.01 Selects cutting and grinding tools C-9.02 Cuts using stationary power tools C-9.03 Cuts using shears and ironworkers C-9.04 Cuts using hand tools C-9.05 Cuts using handheld power tools	❑	❑	❑	6	
Task 10 Uses oxy-fuel gas cutting (OFC) process for cutting and gouging C-10.01 Selects OFC gas and equipment C-10.02 Sets up OFC equipment C-10.03 Sets operating parameters for OFC equipment C-10.04 Performs cut and gouge using OFC equipment	❑	❑	❑	7	

	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 11 Uses plasma arc cutting (PAC) process for cutting and gouging C-11.01 Selects PAC equipment and consumables C-11.02 Sets up PAC equipment C-11.03 Sets operating parameters for PAC equipment C-11.04 Performs cut and gouge using PAC equipment	❑	❑	❑	6	
Task 12 Uses air carbon arc cutting (CAC-A) process for cutting and gouging C-12.01 Selects CAC-A equipment and consumables C-12.02 Sets up CAC-A equipment C-12.03 Sets operating parameters for CAC-A equipment C-12.04 Performs cut and gouge using CAC-A equipment	❑	❑	❑	4	
Total number of questions for this section:				**23**	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 – Performs Welding Processes					
Task 13 Welds using shielded metal arc welding (SMAW) process D-13.01 Selects SMAW equipment and consumables D-13.02 Sets up SMAW equipment D-13.03 Sets operating parameters for SMAW D-13.04 Performs weld with SMAW equipment	❑	❑	❑	18	
Task 14 Welds using flux cored arc welding (FCAW), metal cored arc welding (MCAW) and gas metal arc welding (GMAW) processes D-14.01 Selects FCAW, MCAW and GMAW gas, equipment and consumables D-14.02 Sets up FCAW, MCAW and GMAW equipment D-14.03 Sets operating parameters for FCAW, MCAW and GMAW D-14.04 Performs weld using FCAW, MCAW and GMAW equipment	❑	❑	❑	18	

	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 15 Welds using gas tungsten arc welding (GTAW) process D-15.01 Selects GTAW gas, equipment and consumables D-15.02 Sets up GTAW equipment D-15.03 Sets operating parameters for GTAW D-15.04 Performs weld using GTAW equipment	❑	❑	❑	13	
Task 16 Welds using submerged arc welding (SAW) process D-16.01 Selects SAW equipment and consumables D-16.02 Sets up SAW equipment D-16.03 Sets operating parameters for SAW D-16.04 Performs weld using SAW equipment	❑	❑	❑	5	
					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**54**	

	● 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?
Now, add up the totals you gave yourself for each section.				TOTAL NUMBER OF QUESTIONS 125	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.