



# **RED SEAL EXAM**

# **SELF-ASSESSMENT GUIDE**

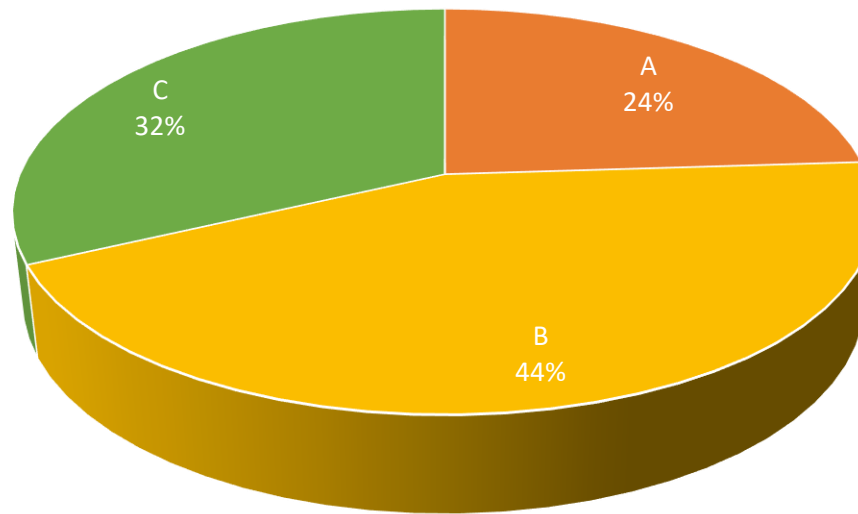
## **METAL FABRICATOR (FITTER)**



# 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 Block and the number of questions assigned to each Block and Task.




The Red Seal Exam for this trade has 130 questions.



	<b>Block / Exam Section</b>	<b>Percentage of Questions</b>	<b>Number of Questions out of 130</b>
A	Common Occupational Skills	24%	31
B	Fabrication of components	44%	57
C	Assembly of components	32%	42

# 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> 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 – Common Occupational Skills</b>					
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"/>	5	<input type="text"/>
2. Maintains and uses tools and equipment. 2.01 Maintains hand, power, layout and measuring tools and equipment. 2.02 Maintains stationary machinery. 2.03 Maintains cutting and welding equipment. 2.04 Uses access equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
3. Organizes work. 3.01 Interprets plans, drawings and specifications. 3.02 Communicates with others. 3.03 Organizes project tasks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	<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?
4. Performs quality assurance throughout fabrication and assembly process. 4.01 Performs visual inspections. 4.02 Verifies measurements, welds and layout. 4.03 Tracks material and parts for traceability.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	
5. Handles materials. 5.01 Organizes material. 5.02 Determines weights. 5.03 Applies rigging practices. 5.04 Operates material handling equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	
Total number of questions for this section:				<b>31</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>B – Fabrication of Components</b>					
<p>6. Performs layout.</p> <p>6.01 Performs pattern development.</p> <p>6.02 Calculates material allowances for various processes.</p> <p>6.03 Determines dimensions.</p> <p>6.04 Transfers dimensions.</p> <p>6.05 Makes templates.</p>	☐	☐	☐	26	
<p>7. Cuts materials.</p> <p>7.01 Cuts material using manual plasma cutting equipment</p> <p>7.02 Cuts material using manual oxy-fuel cutting equipment.</p> <p>7.03 Cuts material using shears.</p> <p>7.04 Cuts material using saws.</p> <p>7.05 Cuts material using ironworkers.</p> <p>7.06 Cuts material using computer numerical controlled (CNC) equipment.</p> <p>7.07 Drills holes.</p> <p>7.08 Cuts threads.</p> <p>7.09 Prepares joints.</p>	☐	☐	☐	17	

	● <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?
8. Forms materials. 8.01 Forms materials using plate rollers. 8.02 Forms materials using shape rollers. 8.03 Forms materials using conventional and computer numerical controlled (CNC) press brakes 8.04 Forms materials using benders. 8.05 Applies heat for forming.	□	□	□	14	
Total number of questions for this section:				<b>57</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>C – Assembly of Components</b>					
9. Fits and fastens sub components and components. 9.01 Assembles jigs 9.02 Determines proper sequence for assembly. 9.03 Assembles sub components and components. 9.04 Sets fabricated component in place. 9.05 Fastens components on site.	□	□	□	22	
10. Performs welding activities. 10.01 Applies heat prior to tack welding. 10.02 Performs tack welding. 10.03 Minimizes welding distortions. 10.04 Applies welding processes. 10.05 Corrects welding distortions.	□	□	□	13	



	● <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?
11. Completes project. 11.01 Determines finishing process. 11.02 Prepares material for finishing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<input type="text"/>
Total number of questions for this section:				<b>42</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS  <input type="text"/>
Now, add up the totals you gave yourself for each section.				TOTAL NUMBER OF QUESTIONS  130	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.