



RED SEAL EXAM

SELF-ASSESSMENT GUIDE

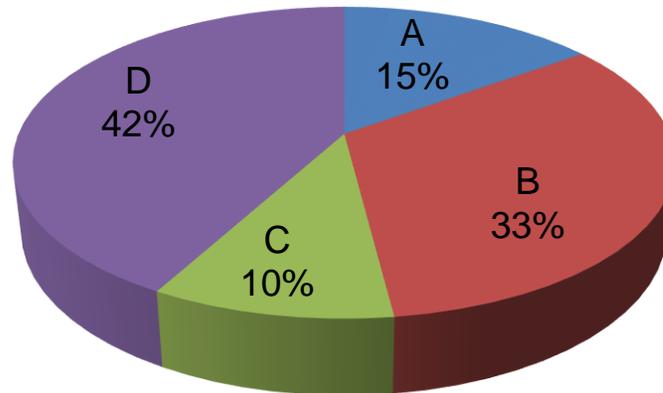
TOOL AND DIE MAKER



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 135 questions.



	Major Work Activity / Exam Section	Percentage of Questions	Number of Questions out of 135
A	Performs common occupational skills	15%	20
B	Operates machine-tools	33%	45
C	Performs heat treatment	10%	13
D	Performs design and development of prototypes and production tools	42%	57

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.

	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?
	● LOW	● MEDIUM	● HIGH		
A – Performs Common Occupational Skills					
Task A-1 Performs safety-related functions 1.01 Maintains safe work environment 1.02 Uses personal protective equipment (PPE) and safety equipment 1.03 Uses hoisting, lifting, rigging and supporting equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	
Task A-2 Maintains machine-tools, accessories and cutting tools 2.01 Maintains machine-tools and accessories 2.02 Maintains cutting tools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	
Task A-3 Organizes work 3.01 Interprets drawings, specifications and applications 3.02 Plans project activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	

	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?
	● LOW	● MEDIUM	● HIGH		
Task A-4 Performs benchwork 4.01 Performs layout 4.02 Finishes workpiece 4.03 Inspects workpiece	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	
Task A-5 Uses communication and mentoring techniques 5.01 Uses communication techniques 5.02 Uses mentoring techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
Total number of questions for this section:				20	SUM OF YOUR EXPECTED CORRECT ANSWERS

	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?
	● LOW	● MEDIUM	● HIGH		
B – Operates Machine-Tools					
Task B-6 Operates power saws 6.01 Sets up power saws 6.02 Saws straight and angle cuts 6.03 Cuts irregular shapes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>
Task B-7 Operates drill presses 7.01 Sets up drill presses 7.02 Drills holes using drill presses 7.03 Cuts countersinks, counterbores, chamfers and spot faces using drill presses 7.04 Performs tapping using drill presses 7.05 Finishes holes using drill presses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>
Task B-8 Operates conventional lathes 8.01 Sets up conventional lathes 8.02 Faces surface using conventional lathes 8.03 Turns internal and external surfaces using conventional lathes 8.04 Creates holes using conventional lathes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	<input type="text"/>

	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?
	● LOW	● MEDIUM	● HIGH		
Task B-9 Operates conventional milling machines 9.01 Sets up conventional milling machines 9.02 Mills surfaces using conventional milling machines 9.03 Creates holes and hole features using conventional milling machines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	
Task B-10 Operates grinding machines 10.01 Sets up grinding machines 10.02 Grinds flat surfaces using a surface grinder 10.03 Grinds profiles 10.04 Grinds internal and external cylindrical and tapered surfaces 10.05 Grinds tools and cutters 10.06 Finishes holes using a honing machine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	
Task B-11 Operates computer numerical control (CNC) machines 11.01 Performs CNC programming 11.02 Inputs program data into control memory 11.03 Establishes workpiece datum 11.04 Verifies programs 11.05 Monitors machining processes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	

	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?
	● LOW	● MEDIUM	● HIGH		
Task B-12 Operates electrical discharge machines (EDM) 12.01 Determines flushing methods 12.02 Sets cutting conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	
Total number of questions for this section:				45	SUM OF YOUR EXPECTED CORRECT ANSWERS

	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?
	● LOW	● MEDIUM	● HIGH		
C – Performs Heat Treatment					
Task C-13 Heat treats materials 13.01 Selects heat treatment process 13.02 Hardens materials 13.03 Tempers materials 13.04 Anneals materials 13.05 Normalizes materials 13.06 Case hardens materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	<input type="text"/>
Task C-14 Tests heat treated materials 14.01 Performs visual inspection 14.02 Performs hardness test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				13	<input type="text"/>

	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?
	● LOW	● MEDIUM	● HIGH		
D – Performs Design and Development of Prototypes and Production Tools					
Task D-15 Performs production tool design 15.01 Identifies production tool requirements 15.02 Prepares shop sketches 15.03 Determines production tool material specifications and engineered components 15.04 Prepares information for designing and drafting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	<hr/>
Task D-16 Develops prototype 16.01 Selects prototyping technique and materials 16.02 Fabricates prototype components 16.03 Assembles prototype components 16.04 Inspects prototype 16.05 Proves out prototype	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<hr/>
Task D-17 Fits and assembles production tools 17.01 Verifies dimensions of production tool components 17.02 Performs production tool assembly 17.03 Sets production tool timing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15	<hr/>

	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?
	● LOW	● MEDIUM	● HIGH		
Task D-18 Proves out production tools 18.01 Sets up production tools 18.02 Verifies production part material 18.03 Develops blank/strip 18.04 Cycles equipment with production tools 18.05 Evaluates production part 18.06 Checks production tool for damage 18.07 Modifies production tools to enhance productivity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14	<hr/>
Task D-19 Repairs and maintains production tools 19.01 Identifies condition of production tools 19.02 Identifies repair procedures 19.03 Adjusts production tool components 19.04 Reconditions production tool components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13	<hr/>
Total number of questions for this section:				57	SUM OF YOUR EXPECTED CORRECT ANSWERS <hr/>

	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?
	● LOW ● MEDIUM ● HIGH		
Now, add up the totals you gave yourself for each section.		TOTAL NUMBER OF QUESTIONS 135	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.