

TEN FREE IRONWORKER RED SEAL PRACTICE QUESTIONS.

QUESTIONS	EXAMS	LAST CHECKED
10, multiple choice, answers explained	Generalist (420B), Structural/Ornamental (420A), Reinforcing (452A)	October 4, 2026

Ten Ironworker questions in the format of the Red Seal exams: four options, one correct answer, no trick questions. Ironworker is three Red Seal trades, each with its own 120-question exam: Generalist (420B in Ontario), Structural/Ornamental (420A) and Reinforcing (452A, Reinforcing Rodworker in Ontario). Every question below is labelled with the exams it belongs to. They are free to use, print and share, and there is nothing to sign up for on this page.

01 How to use these

The questions come from the TicketPrep Ironworker bank and follow the Generalist exam's blocks in order and roughly in the proportion the Red Seal Program publishes for that exam: A (performs common occupational skills), B (performs rigging, hoisting and positioning, and mobilization, erection, and demobilization of cranes), C (fabricates and installs reinforcing materials), D (performs pre-stressing/post-tensioning), E (performs erection, assembly and installation), F (performs maintenance and upgrading). Four are on all three exams, three on the Generalist and Reinforcing exams and three on the Generalist and Structural/Ornamental exams. If you write Structural/Ornamental or Reinforcing, the questions labelled for your exam are the ones to time yourself on. Answer each one before opening the explanation. Every explanation covers all four options, because, in the Red Seal Program's words, the incorrect options on the exam are not always obvious, and knowing *why* they are wrong is most of the skill.

- **Pace.** The Red Seal Exam Preparation Guide gives four hours of writing time; each of the three Ironworker exams has 120 questions, so that is about 2 minutes per question. Try these at that pace.
 - **Print.** The printed version shows the questions and the answer key without the explanations, so it works as a handout. The explanations are on the web page.
 - **Mark.** The Red Seal Exam Preparation Guide gives the pass mark as 70 percent; seven of ten here is the same bar.
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02 The questions

Q1 • PROCEDURAL • PERFORMS COMMON OCCUPATIONAL SKILLS • ALL THREE EXAMS

Three ironworkers will work on one span of a horizontal lifeline strung along a roof beam of a warehouse. The lifeline's label reads: maximum two workers per span. How should they tie off?

- A. All three tie off once the line is tensioned tighter.
 - B. All three tie off, spaced well apart along the span.
 - C. Two tie off to it; the third uses a separate anchor.
 - D. Two tie off to it; the third clips to its end anchor.
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Q2 • RECALL • PERFORMS RIGGING, HOISTING AND POSITIONING, AND MOBILIZATION, ERECTION, AND DEMOBILIZATION OF CRANES • ALL THREE EXAMS

A synthetic web sling's tag lists rated capacities of 3 100 lb vertical, 2 500 lb choker and 6 200 lb basket. What leg angle does the 6 200 lb basket rating assume?

- A. Both legs vertical, at 90 deg to the horizontal.
- B. Both legs at 60 deg from the horizontal.
- C. Both legs at 45 deg from the horizontal.
- D. Any leg angle, provided both legs are equal in length.

Q3 · PROCEDURAL · PERFORMS RIGGING, HOISTING AND POSITIONING, AND MOBILIZATION, ERECTION, AND DEMOBILIZATION OF CRANES · ALL THREE EXAMS

A 3 600 lb (1 636 kg) steel canopy frame at a stadium is lifted level on a two-leg bridle, with both legs carrying the load. Each leg is 10 ft long and the hook is 8 ft above the pick points. What is the tension in each leg?

- A.** 1 800 lb
- B.** 2 250 lb
- C.** 3 000 lb
- D.** 4 500 lb

Q4 · RECALL · PERFORMS RIGGING, HOISTING AND POSITIONING, AND MOBILIZATION, ERECTION, AND DEMOBILIZATION OF CRANES · ALL THREE EXAMS

On the mobile crane hand signal chart used on site, the signaller clasps both hands together in front of the body. What does this signal mean?

- A.** Dog everything: stop and secure all motions.
- B.** Use the main hoist for the next motion.
- C.** Move slowly on the motion that follows.
- D.** Retract the telescoping boom on the next motion.

A 25M L-bar for a wind turbine foundation has straight legs of 400 mm and 1 000 mm with one 90° bend. Using cut length = all lengths + 2 bar diameters per bend, with db taken as 25 mm, what is the cut length?

- A. 1 350 mm
- B. 1 400 mm
- C. 1 450 mm
- D. 1 500 mm

On the two-way bottom mat of an office-tower slab, which tie is normally used at most intersections to keep the bars from being displaced?

- A. Saddle tie.
- B. Single (snap) tie.
- C. Wrap and single tie.
- D. Wrap and saddle tie.

What does the bursting steel placed behind a group of stressing anchorages do?

- A. Holds the anchors at profile height until the pour.
- B. Supports the strand tails while the stressing jack is fitted.
- C. Locks the anchors to the edge form so they cannot rotate.
- D. Resists the splitting tension behind the anchors.

A guy for a 12.0 m stadium column is attached 11.0 m above the base plate and anchored 8.0 m out on level ground at base-plate height. Ignoring sag and the rope in the terminations, how long is the guy, to the nearest 0.1 m?

- A. 7.5 m
- B. 13.6 m
- C. 14.4 m
- D. 19.0 m

On a pre-engineered warehouse, which of these members is a secondary member?

- A. A purlin.
- B. A rigid-frame rafter.
- C. A main-frame column.
- D. A roof truss.

The four bolts in a shear connection between a pipe-rack beam and its column are corroded and will all be replaced while the beam stays loaded, as the engineer has allowed. How are the bolts changed?

- A. Every second bolt first, then the other two.
- B. All together, with drift pins holding the holes in line.
- C. Two at a time, working down from the top bolt of the joint.
- D. One at a time, each new bolt in before the next comes out.

03 Answer key

QUESTION	ANSWER	WORK ACTIVITY	EXAMS
Q1	C	Performs common occupational skills	All three exams
Q2	A	Performs rigging, hoisting and positioning, and mobilization, erection, and demobilization of cranes	All three exams
Q3	B	Performs rigging, hoisting and positioning, and mobilization, erection, and demobilization of cranes	All three exams
Q4	A	Performs rigging, hoisting and positioning, and mobilization, erection, and demobilization of cranes	All three exams
Q5	C	Fabricates and installs reinforcing materials	Generalist and Reinforcing exams
Q6	B	Fabricates and installs reinforcing materials	Generalist and Reinforcing exams
Q7	D	Performs pre-stressing/post-tensioning	Generalist and Reinforcing exams
Q8	B	Performs erection, assembly and installation	Generalist and Structural/Ornamental exams
Q9	A	Performs erection, assembly and installation	Generalist and Structural/Ornamental exams
Q10	D	Performs maintenance and upgrading	Generalist and Structural/Ornamental exams

04 More free questions

For the exams themselves, the Ironworker Red Seal exam guide covers all three breakdowns, the formula sheets and which exam is written where, and the Ironworker Red Seal practice exam page describes the full TicketPrep Ironworker question bank. The same free format is available for the other 15 trades, plus the free guides on the pass mark, question counts, exam day and how to study.

310S

Automotive Service Technician questions

310T

Truck and Coach Technician questions

309A

Electrician questions

403A

Carpenter questions

421A

Heavy Duty Equipment Technician questions

332A

Hairstylist questions

433A

Industrial Mechanic Millwright questions

313A

Refrigeration & AC Systems Mechanic questions

415A

Cook questions

307A

Steamfitter/Pipefitter questions

456A

Welder questions

306A

Plumber questions

429A

Machinist questions

442A

Industrial Electrician questions

240P

Parts Technician questions

HUB

All free practice questions

GUIDES

The Red Seal exam, explained

How these questions are written and checked: how our questions are made. Found a mistake? Tell us and we will fix it.

05 Questions by exam block

Working on one part of the exam? Each of the Generalist exam's six blocks has its own page with five more free questions, the tasks the block covers and their weights. The Structural/Ornamental and Reinforcing exams are built from the same blocks under their own letters, and each page says which exams use it.

BLOCK A • 11.7% OF GENERALIST

Safety, Tools & Layout

BLOCK B • 26.7% OF GENERALIST

Rigging, Hoisting & Cranes

BLOCK C • 17.5% OF GENERALIST

Rebar Fabrication & Placing

BLOCK D • 8.3% OF GENERALIST

Pre-Stressing & Post-Tensioning

BLOCK E • 25.8% OF GENERALIST

Steel Erection & Installation

BLOCK F • 10% OF GENERALIST

Maintenance & Dismantling