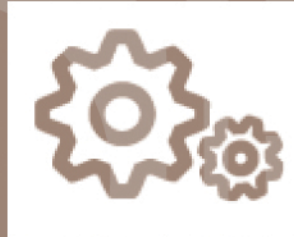


*Experienced Worker Assessment Blueprint*

*Metalworking Occupations*

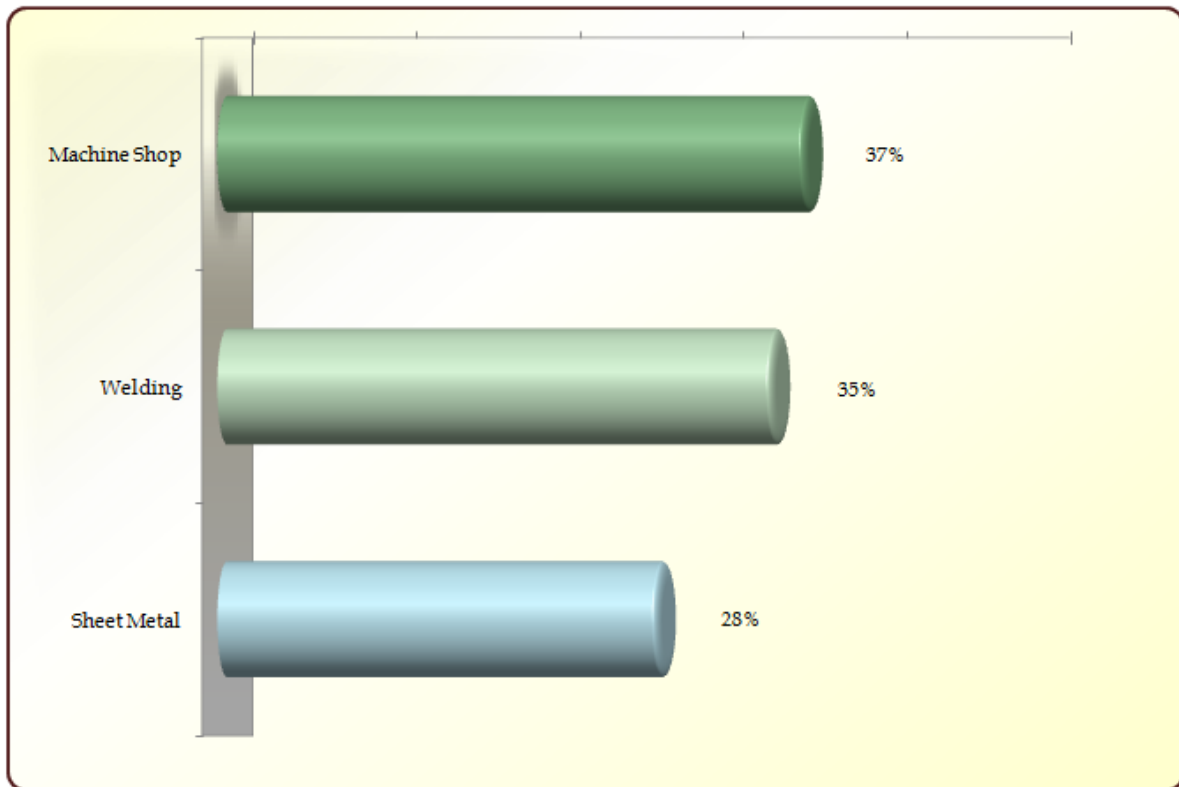


**Written Assessment:**

**Administration Time:** 3 hours

**Number of Questions:** 182

**Areas Covered:**



## Sample Questions:

In using a compound rest to turn a 60-degree included angle of taper, the compound rest should be set at how many degrees from the axis of the work?

- A. 30
- B. 60
- C. 110
- D. 140

More preheat is required for bevel cutting than for vertical cutting operations because in bevel cutting the

- A. distance through the plate is greater
- B. operation needs greater skill
- C. cutting oxygen tends to bounce off the metal
- D. heat tends to bounce off the metal

The stock necessary for a Pittsburgh lock seam to be formed in the hand brake is dependent upon the width of the

- A. upper jaw
- B. lower jaw
- C. clamping bar
- D. bending leaf

Which of the following type of seam is used most often for fastening longitudinal corners of duct or fittings?

- A. Acme
- B. riveted
- C. Pittsburgh
- D. corner double

For heavy rough turning on the lathe, the tool holder should be

- A. pointing slightly toward the tailstock
- B. pointing slightly toward the headstock
- C. set to hold the tool slightly above center
- D. set to hold the tool slightly below center

## Performance Assessment:

**Administration Time:** 4 hours

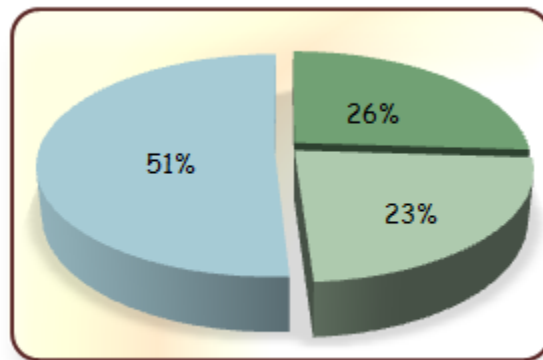
**Number of Jobs:** 3

### Areas Covered:

26%      **Welding - Single Fillet Lap Joint**

23%      **Sheet Metal - Raised Lid**

51%      **Lathe Work - Machine Work**



**Sample Job:** Raised Lid

**Estimated Job Time:** 1 hour

**Participant Activity:** The participant will fabricate the raised lid to specifications shown on drawing provided. The participant will lay out the sections of raised lid, fabricate necessary seams using required tools and machines, form individual sections, drill (or punch) and fasten to industry standards. The finished product should meet industry standards for fabrication with minimum waste.

