

**Factor-Label Worksheet**

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The following are relationships for measurements from an alien world.

$$1.00 \text{ irg} = 2.54 \text{ cerf}$$

$$1.12 \text{ minx} = 13.9 \text{ irg}$$

$$2.50 \text{ puc} = 1.00 \text{ kwat}$$

$$1.00 \text{ forp} = 31.2 \text{ cerf}$$

$$1.00 \text{ kip} = 1.61 \text{ minx}$$

$$3.50 \text{ kwat} = 1.00 \text{ glob}$$

$$1.00 \text{ gerb} = 14.7 \text{ cerf}$$

$$1.75 \text{ gerb} = 1.00 \text{ puc}$$

Using the relationships above, solve the following conversion problems. Use the factor-label method, and show all of your work. Be sure to label everything completely, and round off your answers to the correct number of significant digits.

- Convert 3.8 forp to cerf.
- Convert 7.3 puc to kwat.
- Convert 11.3 glob to kwat.
- Convert 1.38 irg to forp.
- Convert 0.29 puc to minx.
- Convert 260 kwat to gerb.
- Convert 113.3 forp to puc.
- Convert  $3.94 \times 10^{14}$  irg to cerf.
- Convert  $4.32 \times 10^7$  kip to irg.
- Convert  $8.775 \times 10^{-18}$  glob to puc.
- Convert  $9.11 \times 10^{23}$  gerb to forp.
- Convert  $7.65 \times 10^{-8}$  minx to cerf.