

13-6 Converting Metric Units of Mass

lightest to heaviest

milligram mg

gram g

kilogram kg

$$1 \text{ g} = 1000 \text{ mg}$$

$$1 \text{ kg} = 1000 \text{ g}$$

$$1 \text{ kg} = 1,000,000 \text{ mg}$$

1. $925 \text{ g} = \text{--- mg}$
 $925 \times 1000 = 925,000 \text{ mg}$

2. $19,000 \text{ g} = \text{--- kg}$
 $19,000 \div 1000 = 19 \text{ kg}$

3. $1,000,000 \text{ mg} = \text{--- kg}$
 $1,000,000 \div 1,000,000 = 1 \text{ kg}$

4. $7,000 \text{ mg} < 7,000 \text{ g}$

5. $100 \text{ kg} > 10,000 \text{ g} = 10 \text{ kg}$
 $10,000 \div 1000 = 10$