

Name KEY

Conversions and Percents Worksheet (Worksheet B)

Conversions:

1 inch = 25.4 mm

1 mm = .039 inch

1 km = .62 mile

1 mile = 1.61 km

1 quart = .95 liter

1 liter = 1.05 quart

Convert the following:

1. 2.5 quarts = 2.375 liters $(2.5)(.95) = 2.375$

2. 3 km = 1.86 miles $(3)(.62) = 1.86$

3. 4.602 inches = 118 mm $(118)(.039) = 4.602$

4. 10 liters = 10.5 quarts $(10)(1.05) = 10.5$

5. 4 miles = 6.44 km $(4)(1.61) = 6.44$

6. 127 mm = 5 inches $(5)(25.4) = 127$

Percents:

Find the following.

7. What is 30% of 150? **45**

$(.30)(150) = 45$

8. 25 is what % of 250? **10**

$$25 = (x)(250)$$
$$\frac{25}{250} = \frac{(x)(250)}{250}$$
$$.1 = x$$

$$.1 = 10\%$$

9. What is 75% of 200? 150

$$(.75)(200) = 150$$

10. 44 is what % of 88? 50

$$44 = (x)(88)$$
$$\frac{44}{88} = \frac{(x)(88)}{88}$$
$$.5 = x$$

$$.5 = 50\%$$