

HOMEWORK: Converting from Imperial to Metric

Date: _____

1. Convert each imperial measure, as indicated.

- | | | |
|--------------------------|------------------------|---------------------------------|
| a) 10" to centimetres | b) 120 lb to kilograms | c) $2\frac{1}{2}$ gal to litres |
| d) 18 oz to grams | e) 6 ft to metres | f) 8 fl oz to millilitres |
| g) 1500 mi to kilometres | h) 2.7 qt to litres | i) 1500 lb to kilograms |

2. Convert each metric measure, as indicated.

- | | | |
|----------------------|---------------------------|----------------------|
| a) 58 cm to inches | b) 500 mL to fluid ounces | c) 40 L to gallons |
| d) 500 g to ounces | e) 40 L to quarts | f) 25.2 kg to pounds |
| g) 62.75 km to miles | h) 82 mm to inches | i) 0.3 kg to ounces |

8. A standard piece of photocopy paper measures $8\frac{1}{2}$ in. by 11 in.

- a) What is the area of the sheet of paper
- in square inches?
 - in square centimetres?
 - in square millimetres?
- b) A package of 500 sheets is 2 in. thick. What is the thickness of one sheet of paper, in millimetres?

ANSWERS

① a) 25.4 b) 54.5 c) 9.5 d) 510.3 e) 1.8 f) 236.8 g) 2413.5
 h) 2.6 i) 681

② a) 22.8 b) 16.9 c) 10.6 d) 17.6 e) 42.2 f) 55.5 g) 39
 h) 3.5 i) 10.6