MASSACHUSETTS DEPARTMENT OF
ELEMENTARY AND SECONDARY
EDUCATION

Massachusetts Comprehensive Assessment System
Grade 5 Mathematics Reference Sheet

CONVERSIONS

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 mile = 5280 feet

1 mile = 1760 yards

1 pound = 16 ounces

1 ton = 2000 pounds

AREA (*A*) FORMULAS

square . . . . $A = s \times s$

(s = length of a side)

rectangle . . . . . $A = b \times h$

(b = length of base; h = height)

OR

$A = l \times w$

(l = length; w = width)

VOLUME (*V*) FORMULAS

right rectangular prism . . . . $V = l \times w \times h$

(l = length; w = width; h = height)

OR

$V = B \times h$

(B = area of base; h = height)