



Massachusetts Comprehensive Assessment System Grade 6 Mathematics Reference Sheet

You may use the formulas, the ruler, and the protractor to answer questions on this test.

AREA FORMULAS

square $A = s \cdot s$

OR

$$A = lw$$

rectangle $A = bh$

OR

$$A = lw$$

parallelogram $A = bh$

triangle $A = \frac{1}{2}bh$

PERIMETER FORMULAS

perimeter = distance around

square $P = 4s$

rectangle $P = 2b + 2h$

OR

$$P = 2l + 2w$$

triangle $P = a + b + c$

VOLUME FORMULAS

rectangular prism $V = lwh$

cube $V = s \cdot s \cdot s$
(s = length of an edge)

CIRCLE FORMULAS

$$C = 2\pi r$$

OR

$$C = \pi d$$

$$A = \pi r^2$$

CONVERSIONS

3 feet = 1 yard

5280 feet = 1 mile

60 seconds = 1 minute

60 minutes = 1 hour