

**Chemistry: The Mathematics  
of Chemistry, Answer Sheet**

1.  $5.5 \frac{m}{s}$

2.  $22.4 m^2$

3.  $63 cm$

4.  $0.11 mm^3$

5.  $60 \frac{kg - m}{s}$

6.  $0.38 \frac{moles}{L}$

7.  $25 \frac{kg - m}{s^2}$

8.  $140 N - m$

9.  $0.0027 \frac{J}{g - ^\circ C}$

10.  $2.76 \frac{N - m}{s}$

11.  $32.7 \frac{kg}{cm^2}$

12.  $13.2 \frac{g}{L}$

13.  $208 \frac{J}{g}$

14.  $1290 atoms$

15.  $\frac{w}{2}$

16.  $152.8$

17.  $10 \frac{b^2}{a^2}$

18.  $3.96 d^2$

19.  $\frac{2ab - 3b^2}{c^2}$

20.  $8fw + 26gw$

21.  $x = 11$

22.  $x = 9.5$

23.  $x = \frac{H}{WQ}$

24.  $x = 23FG - 12$

25.  $x = \frac{EF^2}{18KR}$

26.  $x = \frac{T}{LS}$

27.  $x = 15G - U$

28.  $x = \frac{T + 6}{Y}$

29.  $x = \frac{E^4 RT^3 K}{B^2 H^5 Y}$