

BAHA Chemistry Placement Test

Information: This placement test is an indicator to give you information on how prepared you are for Chemistry. The results will be returned as one of three options: **well prepared, prepared, or needs support.**

You may use a calculator. Round all answers to 3 decimal places.

Please scan completed test as a PDF and upload to thinkwave in the “placement test” assignment (preferred)

Or

Send to Mrs. Keown at jennifermkeown@gmail.com. Use the subject “BAHA chemistry placement test <name>”.

Show work on separate paper for all problems. Solve for x:

1. $74.5 = \frac{4}{5}x + 23.1$

2. $389 = \frac{484}{x}$

3. $(56.81)(74.32) = x(31.24)$

4. $43.1 - x = (94.3)(7.6)$

5. $4021 = (6.4)(4.8)(74.5 - x)$

6. $23 < 14 - x(75)$

7. $325 = x(4.3)^2(5.7)^3$

8. $(6.2 \cdot 10^{23})x = \frac{4.7 \cdot 10^{36}}{3.1 \cdot 10^{14}}$

9. $3.8 \cdot 10^{16} = \frac{9.7 \cdot 10^{32}}{x}$

10. $5.6 \cdot 10^{12} = 3.2 \cdot 10^{14} - \frac{9.6 \cdot 10^{13}}{x}$