



PROBLEMS AND SOLUTIONS - INTRODUCTION TO EXPONENTS AND ROOTS
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Please Send Questions and Comments to ingrid.stewart@csn.edu. Thank you!

PLEASE NOTE THAT YOU CANNOT USE A CALCULATOR ON THE ACCUPLACER - ARITHMETIC TEST! YOU MUST BE ABLE TO DO THE FOLLOWING PROBLEMS WITHOUT A CALCULATOR!

The solutions are listed below the problem set!

Problem 1:

Evaluate 10^3 .

Problem 2:

Evaluate 2^5 .

Problem 3:

Evaluate 3.4^2 .

Problem 4:

Evaluate $5,982^0$.

Problem 5:

Evaluate 1^{23} .

Problem 6:

Evaluate 0^{41} .

Problem 7:

Evaluate $\sqrt{1}$.

Problem 8:

Evaluate $\sqrt{0}$.

Problem 9:Evaluate $\sqrt{36}$.**Problem 10:**Evaluate $\sqrt{100}$.**Problem 11:**Evaluate $\sqrt{81}$.**Problem 12:**Evaluate $\sqrt{400}$.**Problem 13.**Evaluate $\sqrt{0.64}$.**Problem 14:**

Considering perfect squares, find two successive decimal numbers between which the value of $\sqrt{0.69}$ is located.

Problem 15:

Considering perfect squares, find two successive decimal numbers between which the value of $\sqrt{0.55}$ is located.



SOLUTIONS

You can find detailed solutions below the link for this problem set!

1. 1,000	2. 32	3. 11.56
4. 1	5. 1	6. 0
7. 1	8. 0	9. 6
10. 10	11. 9	12. 20
13. 0.8	14. between 0.8 and 0.9	15. between 0.7 and 0.8