

Course: SAT ACT Prep

Lesson Number: 5

Subject: Mathematical Reasoning

Reference Number: 1005-8

Topic: Arithmetic

Subtopic: Operations with Numbers Between Zero and One

<https://youtube.com/c/MrMattTheTutor>

Document: Quick Drill B Resource



1) If A is greater than zero and less than one, which of the following is listed in ascending order?

a) $A^{\frac{1}{3}}, A^{\frac{2}{3}}, A^{\frac{1}{2}}, A^{\frac{3}{2}}$

b) $A^{\frac{3}{2}}, A^{\frac{1}{3}}, A^{\frac{2}{3}}, A^{\frac{1}{2}}$

c) $A^{\frac{3}{2}}, A^{\frac{2}{3}}, A^{\frac{1}{2}}, A^{\frac{1}{3}}$

d) $A^{\frac{2}{3}}, A^{\frac{1}{2}}, A^{\frac{3}{2}}, A^{\frac{1}{3}}$

2) If A is greater than zero and less than one, which of the following is listed in ascending order?

a) A^5, A^{-3}, A^{-5}, A^2

b) A^{-5}, A^2, A^5, A^{-3}

c) A^5, A^2, A^{-3}, A^{-5}

d) A^5, A^2, A^{-5}, A^{-3}

3) If A is greater than zero and less than one, which of the following is listed in descending order?

a) $A^{\frac{1}{4}}, A^{\frac{1}{2}}, A^{\frac{2}{1}}, A^{\frac{3}{1}}$

b) $A^{\frac{2}{1}}, A^{\frac{3}{1}}, A^{\frac{1}{4}}, A^{\frac{1}{2}}$

c) $A^{\frac{1}{4}}, A^{\frac{2}{1}}, A^{\frac{3}{1}}, A^{\frac{1}{2}}$

d) $A^{\frac{1}{4}}, A^{\frac{1}{2}}, A^{\frac{3}{1}}, A^{\frac{2}{1}}$

4) If A is less than negative one, which of the following is listed in ascending order?

a) A^5, A^6, A^4, A^7

b) A^5, A^6, A^4, A^7

c) A^7, A^4, A^5, A^6

d) A^7, A^5, A^4, A^6

5) If A is less than negative one, which of the following is listed in ascending order?

a) A^5, A^{-2}, A^3, A^{-4}

b) A^5, A^{-2}, A^{-4}, A^3

c) A^5, A^3, A^{-2}, A^{-4}

d) A^5, A^3, A^{-4}, A^{-2}

6) If A is less than negative one, which of the following is listed in ascending order?

a) $A^{2.6}, A^{1.2}, A^{-1.5}, A^{-3.4}$

b) $A^{-1.5}, A^{-3.4}, A^{2.6}, A^{1.2}$

c) $A^{2.6}, A^{1.2}, A^{-3.4}, A^{-1.5}$

d) $A^{-1.5}, A^{2.6}, A^{-3.4}, A^{1.2}$