

Answer on Question #72444 - Chemistry / General Chemistry

RA/RB is equal to the square root of the inverse of MA/MB . Calculate RA/RB if MA = 29
MB = 55. Give your answer to two decimal places.

Solution:

The inverse of MA/MB is MB/MA.

So

$$RA / RB = \sqrt{MB / MA}$$

$$RA / RB = \sqrt{55 / 29} = \sqrt{1,897} = 1.377 \approx 1.38$$

Answer:

RA/RB = 1.38

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