

APPLYING THE STANDARD

How might this standard appear on a test?



*CHECK OUT MY
WORKED EXAMPLE #3*

Determine how many times as great Quantity A is compared to Quantity B.

- 1) Quantity A: 6×10^9
Quantity B: 3×10^7
- 2) Quantity A: 7×10^{15}
Quantity B: 7×10^9
- 3) Quantity A: 8×10^2
Quantity B: 4×10^{-2}

- 4) Complete the table by approximating each celebrity's net worth using **scientific notation**.

Celebrity	Net Worth	Approximate Net Worth (in Scientific Notation)
Dwayne 'The Rock' Johnson (Actor)	\$810,000,000	
Elton John (Musical artist)	\$442,000,000	4×10^8
Robin Roberts (Journalist)	\$18,000,000	
Shah Rukh Khan (Bollywood actor)	\$630,000,000	
Margaret Cho (Comedian)	\$4,000,000	

Name _____ Date _____ Period _____

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For questions 5 - 7, use the table above. According to the “Approximate Net Worth,” Dwayne ‘The Rock’ Johnson’s net worth is about how many times as much as the net worth of the given celebrity?

5) Elton John

6) Robin Roberts

7) Margaret Cho



8) The average worker ant weighs approximately 4×10^{-6} pounds, and a hippopotamus weighs about 4×10^3 pounds. How many times as great is the weight of a hippopotamus compared to the weight of a worker ant?