

Correct. Use the Change of Base formula with either common or natural logarithms:

$$\log_4 40 = \frac{\log 40}{\log 4}$$

Use the calculator to evaluate the quotient:  $\frac{\log 40}{\log 4} = \frac{1.60205\dots}{0.60205\dots} = 2.66096\dots$

Round your answer to the nearest thousandth: 2.661