



## Logarithms - Power Property - Product to Power (Exponents)

<p>1 Convert the given logarithm to its equivalent based on the power property</p> <p><math>2 \log_5 7</math></p>	<p>A</p> <p><math>\log_7 5^2</math></p>	<p>B</p> <p><math>\log_5 2^7</math></p>	<p>C</p> <p><math>\log_5 7^2</math></p>	<p>2 Convert the given logarithm to its equivalent based on the power property</p> <p><math>2 \log_8 10</math></p> <p>A <math>\log_8 10^2</math> B <math>\log_{10} 8^2</math> C <math>\log_8 2^{10}</math></p>
<p>3 Convert the given logarithm to its equivalent based on the power property</p> <p><math>2 \log_4 8</math></p>	<p>A</p> <p><math>\log_4 8^2</math></p>	<p>B</p> <p><math>\log_8 4^2</math></p>	<p>C</p> <p><math>\log_4 2^8</math></p>	<p>4 Convert the given logarithm to its equivalent based on the power property</p> <p><math>2 \log_5 12</math></p> <p>A <math>\log_5 2^{12}</math> B <math>\log_5 12^2</math> C <math>\log_{12} 5^2</math></p>
<p>5 Convert the given logarithm to its equivalent based on the power property</p> <p><math>3 \log_{10} 5</math></p>	<p>A</p> <p><math>\log_5 10^3</math></p>	<p>B</p> <p><math>\log_{10} 5^3</math></p>	<p>C</p> <p><math>\log_{10} 3^5</math></p>	<p>6 Convert the given logarithm to its equivalent based on the power property</p> <p><math>4 \log_{10} 2</math></p> <p>A <math>\log_{10} 2^4</math> B <math>\log_2 10^4</math> C <math>\log_{10} 4^2</math></p>
<p>7 Convert the given logarithm to its equivalent based on the power property</p> <p><math>2 \log_6 11</math></p> <p>A <math>\log_6 2^{11}</math> B <math>\log_6 11^2</math> C <math>\log_{11} 6^2</math></p>				<p>8 Convert the given logarithm to its equivalent based on the power property</p> <p><math>2 \log_5 3</math></p> <p>A <math>\log_3 5^2</math> B <math>\log_5 2^3</math> C <math>\log_5 3^2</math></p>