



## Radicals - Division with Mixed Index and Power of Radicand (Fraction) - Radical

### over Radical

<p>1 What does this radical expression simplify to?</p> $\frac{\sqrt[3]{16^3}}{\sqrt{36^3}}$	<p>A <math>\frac{2}{27}</math></p>	<p>B <math>\frac{8}{83}</math></p>	<p>C <math>\frac{30}{353}</math></p>	<p>2 What does this radical expression simplify to?</p> $\frac{\sqrt[3]{8^5}}{\sqrt{27^2}}$	<p>A <math>\frac{26}{9}</math></p>	<p>B <math>\frac{22}{53}</math></p>	<p>C <math>\frac{32}{27}</math></p>
	<p>D <math>\frac{15}{424}</math></p>	<p>E <math>\frac{13}{24}</math></p>			<p>D <math>\frac{24}{5}</math></p>	<p>E <math>\frac{17}{22}</math></p>	
<p>3 What does this radical expression simplify to?</p> $\frac{\sqrt[3]{16^3}}{\sqrt{4^3}}$	<p>A <math>\frac{11}{14}</math></p>	<p>B <math>\frac{5}{9}</math></p>	<p>C <math>\frac{33}{10}</math></p>	<p>4 What does this radical expression simplify to?</p> $\frac{\sqrt{81^2}}{\sqrt[3]{81^3}}$	<p>A <math>\frac{142}{155}</math></p>	<p>B <math>\frac{1}{44}</math></p>	<p>C <math>\frac{116}{21}</math></p>
	<p>D <math>\frac{2}{2}</math></p>	<p>E <math>\frac{10}{11}</math></p>			<p>D <math>\frac{134}{55}</math></p>	<p>E <math>\frac{1}{1}</math></p>	
<p>5 What does this radical expression simplify to?</p> $\frac{\sqrt[3]{8^5}}{\sqrt{16^2}}$	<p>A <math>\frac{41}{26}</math></p>	<p>B <math>\frac{2}{2}</math></p>	<p>C <math>\frac{12}{35}</math></p>	<p>6 What does this radical expression simplify to?</p> $\frac{\sqrt{4^3}}{\sqrt[3]{32^3}}$	<p>A <math>\frac{5}{22}</math></p>	<p>B <math>\frac{1}{4}</math></p>	<p>C <math>\frac{7}{18}</math></p>
	<p>D <math>\frac{15}{11}</math></p>	<p>E <math>\frac{1}{7}</math></p>			<p>D <math>\frac{3}{5}</math></p>	<p>E <math>\frac{1}{13}</math></p>	
<p>7 What does this radical expression simplify to?</p> $\frac{\sqrt{4^3}}{\sqrt[3]{25^3}}$	<p>A <math>\frac{13}{48}</math></p>	<p>B <math>\frac{17}{52}</math></p>	<p>C <math>\frac{3}{13}</math></p>	<p>8 What does this radical expression simplify to?</p> $\frac{\sqrt[3]{32^3}}{\sqrt{8^2}}$	<p>A <math>\frac{1}{3}</math></p>	<p>B <math>\frac{31}{3}</math></p>	<p>C <math>\frac{35}{13}</math></p>
	<p>D <math>\frac{8}{25}</math></p>	<p>E <math>\frac{3}{35}</math></p>			<p>D <math>\frac{4}{4}</math></p>	<p>E <math>\frac{45}{4}</math></p>	