



Math worksheet on 'Radicals - Divide Binomials (Values Only) (Level 2)'. Part of a broader unit on 'Radicals - Division Intro'

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<b>1</b> Divide the radical expressions and simplify the answer  $\frac{\sqrt{2} + \sqrt{2}}{\sqrt{11} - \sqrt{13}}$	<b>a</b> $\frac{\sqrt{22} + 5\sqrt{26}}{-1}$	<b>b</b> $\sqrt{22} + 5\sqrt{26}$
	<b>c</b> $1 + \sqrt{26}$	<b>d</b> $\sqrt{2} + \sqrt{26}$
	<b>e</b> $\sqrt{22} + \sqrt{26}$	<b>f</b> $\frac{\sqrt{22} + \sqrt{26}}{-1}$

<b>2</b> Divide the radical expressions and simplify the answer  $\frac{\sqrt{7} - \sqrt{2}}{\sqrt{11} - \sqrt{7}}$	<b>a</b> $\frac{\sqrt{77} + 7 + 1 - \sqrt{14}}{4\sqrt{4}}$
	<b>b</b> $\sqrt{77} + 7 - 5 + \sqrt{14}$
	<b>c</b> $\frac{\sqrt{77} - 7 - \sqrt{22} + \sqrt{14}}{5}$
	<b>d</b> $\frac{\sqrt{77} + 7 - \sqrt{22} - \sqrt{14}}{4}$
	<b>e</b> $\frac{1 + 7\sqrt{2} - \sqrt{22} - \sqrt{14}}{2}$
	<b>f</b> $\sqrt{77} + 7\sqrt{3} - 3\sqrt{22} + \sqrt{14}$

<b>3</b> Divide the radical expressions and simplify the answer  $\frac{\sqrt{11} - \sqrt{5}}{\sqrt{5} - \sqrt{3}}$	<b>a</b> $\frac{\sqrt{55} + 4\sqrt{33} - 5 - \sqrt{15}}{2}$
	<b>b</b> $\frac{\sqrt{55} + \sqrt{33} - 5 - \sqrt{15}}{2}$
	<b>c</b> $\frac{2\sqrt{55} + \sqrt{33} - 5 - \sqrt{15}}{2}$
	<b>d</b> $\sqrt{55} + 1 - 1 - \sqrt{15}$
	<b>e</b> $\sqrt{55} + \sqrt{33} - 5 - \sqrt{15}$
	<b>f</b> $\frac{1 + \sqrt{33} + 3 - \sqrt{15}}{5}$

<b>4</b> Divide the radical expressions and simplify the answer  $\frac{\sqrt{5} + \sqrt{13}}{\sqrt{3} - \sqrt{2}}$	<b>a</b> $\sqrt{15} + \sqrt{10} + 1 + \sqrt{26}$
	<b>b</b> $\frac{\sqrt{15} + \sqrt{10} - 2\sqrt{39} + \sqrt{26}}{5}$
	<b>c</b> $\sqrt{15} + \sqrt{10} + \sqrt{39} + \sqrt{26}$
	<b>d</b> $\sqrt{15} + 4\sqrt{10} - \sqrt{39} + \sqrt{26}$
	<b>e</b> $\sqrt{15} - \sqrt{10} + \sqrt{39} + 3\sqrt{26}$
	<b>f</b> $\frac{1 + \sqrt{10} - 3\sqrt{39} + \sqrt{26}}{5}$

<b>5</b> Divide the radical expressions and simplify the answer  $\frac{\sqrt{7} - \sqrt{3}}{\sqrt{13} - \sqrt{7}}$	<b>a</b> $\sqrt{91} + 7 + 5\sqrt{39} - 1$
	<b>b</b> $\frac{\sqrt{91} + 7 - 1 - \sqrt{21}}{5}$
	<b>c</b> $\frac{\sqrt{91} + 7 - 4\sqrt{39} + \sqrt{21}}{6\sqrt{2}}$
	<b>d</b> $\sqrt{91} + 7\sqrt{3} - \sqrt{39} + \sqrt{21}$
	<b>e</b> $\sqrt{91} - 7 - \sqrt{39} + \sqrt{21}$
	<b>f</b> $\frac{\sqrt{91} + 7 - \sqrt{39} - \sqrt{21}}{6}$

<b>6</b> Divide the radical expressions and simplify the answer  $\frac{\sqrt{5} - \sqrt{2}}{\sqrt{5} - \sqrt{3}}$	<b>a</b> $5 + 4\sqrt{15} - 1 - \sqrt{6}$
	<b>b</b> $\frac{5 + \sqrt{15} - \sqrt{10} - \sqrt{6}}{2}$
	<b>c</b> $\frac{5 + 1 + 3\sqrt{10} - \sqrt{6}}{2}$
	<b>d</b> $1 + \sqrt{15} + \sqrt{10} - \sqrt{6}$
	<b>e</b> $\frac{5 + \sqrt{15} - \sqrt{2} + \sqrt{6}}{2\sqrt{2}}$
	<b>f</b> $5 + \sqrt{15} - 4\sqrt{10} + \sqrt{6}$

<b>7</b> Divide the radical expressions and simplify the answer  $\frac{\sqrt{7} + \sqrt{13}}{\sqrt{3} - \sqrt{13}}$	<b>a</b> $\frac{\sqrt{21} + \sqrt{91} + \sqrt{39} + 13}{-10}$
	<b>b</b> $\sqrt{21} + \sqrt{91} + \sqrt{39} + 2$
	<b>c</b> $\frac{3\sqrt{21} + 3\sqrt{91} + \sqrt{39} + 13}{2}$
	<b>d</b> $\frac{\sqrt{21} + \sqrt{91} + \sqrt{39} + 13}{2}$
	<b>e</b> $\frac{\sqrt{21} - \sqrt{91} + 2\sqrt{39} + 13}{-10}$
	<b>f</b> $\frac{\sqrt{21} + 4\sqrt{91} + \sqrt{39} - 13}{4}$