



Math worksheet on 'Radicals - Divide Monomials (Values Only) (Level 3)'. Part of a broader unit on 'Radicals - Division Intro'

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**1** Divide the radical expressions and simplify the answer

<b>a</b> $\frac{4\sqrt{6}}{5}$	<b>b</b> $\sqrt{6}$	<b>c</b> $\frac{5}{12}$
$\frac{\sqrt{50}}{\sqrt{48}}$	<b>d</b> $\frac{\sqrt{6}}{12}$	<b>e</b> $5\sqrt{2}$
	<b>f</b> $\frac{5\sqrt{6}}{12}$	

**2** Divide the radical expressions and simplify the answer

<b>a</b> $\frac{1}{5}$	<b>b</b> $\frac{\sqrt{14}}{7}$	<b>c</b> $3\sqrt{14}$
$\frac{\sqrt{32}}{\sqrt{112}}$	<b>d</b> $\frac{\sqrt{42}}{21}$	<b>e</b> $\frac{5\sqrt{14}}{7}$
	<b>f</b> $\frac{\sqrt{3}}{14}$	

**3** Divide the radical expressions and simplify the answer

<b>a</b> $\sqrt{65}$	<b>b</b> $\frac{\sqrt{65}}{15}$	<b>c</b> $\frac{2\sqrt{65}}{15}$
$\frac{\sqrt{52}}{\sqrt{45}}$	<b>d</b> $2$	<b>e</b> $\frac{\sqrt{130}}{30}$
	<b>f</b> $5\sqrt{65}$	

**4** Divide the radical expressions and simplify the answer

<b>a</b> $\frac{\sqrt{10}}{4}$	<b>b</b> $4\sqrt{10}$	<b>c</b> $1$
$\frac{\sqrt{50}}{\sqrt{80}}$	<b>d</b> $\frac{\sqrt{10}}{2}$	<b>e</b> $\frac{3\sqrt{10}}{2}$
	<b>f</b> $\sqrt{10}$	

**5** Divide the radical expressions and simplify the answer

<b>a</b> $\frac{5}{2}$	<b>b</b> $\frac{5\sqrt{2}}{4}$	<b>c</b> $\frac{5}{4}$
$\frac{\sqrt{75}}{\sqrt{48}}$	<b>d</b> $3$	<b>e</b> $5\sqrt{2}$
	<b>f</b> $\frac{1}{4}$	

**6** Divide the radical expressions and simplify the answer

<b>a</b> $\frac{\sqrt{2}}{55}$	<b>b</b> $\frac{\sqrt{33}}{55}$	<b>c</b> $\sqrt{33}$
$\frac{\sqrt{12}}{\sqrt{275}}$	<b>d</b> $\frac{2\sqrt{33}}{55}$	<b>e</b> $2$
	<b>f</b> $5\sqrt{33}$	

**7** Divide the radical expressions and simplify the answer

<b>a</b> $\frac{3}{5}$	<b>b</b> $\frac{\sqrt{55}}{2}$	<b>c</b> $\sqrt{55}$
$\frac{\sqrt{99}}{\sqrt{20}}$	<b>d</b> $\frac{3}{20}$	<b>e</b> $\frac{\sqrt{55}}{5}$
	<b>f</b> $\frac{3\sqrt{55}}{10}$	