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

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1 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{7}+\sqrt{13}}{\sqrt{2}}$$

a $4\sqrt{14}+\sqrt{26}$

b $\sqrt{14}+2\sqrt{26}$

c $\frac{\sqrt{14}-1}{2}$

d $\frac{\sqrt{14}+\sqrt{26}}{4}$

e $\frac{\sqrt{14}+\sqrt{26}}{2}$

f $\sqrt{14}+\sqrt{26}$

2 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{13}+\sqrt{5}}{\sqrt{2}}$$

a $\frac{\sqrt{26}+\sqrt{10}}{5}$

b $\frac{\sqrt{26}+\sqrt{10}}{2}$

c $4\sqrt{26}+\sqrt{10}$

d $\sqrt{26}-\sqrt{10}$

e $1+\sqrt{10}$

f $\frac{3\sqrt{26}-\sqrt{10}}{2}$

3 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{11}+\sqrt{7}}{\sqrt{2}}$$

a $\frac{\sqrt{22}+5\sqrt{14}}{4}$

b $\frac{4\sqrt{22}-\sqrt{14}}{2}$

c $\sqrt{22}-\sqrt{14}$

d $\frac{1-\sqrt{14}}{2}$

e $\sqrt{22}+5\sqrt{14}$

f $\frac{\sqrt{22}+\sqrt{14}}{2}$

4 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{13}-\sqrt{2}}{\sqrt{7}}$$

a $\sqrt{91}-\sqrt{14}$

b $2\sqrt{91}+\sqrt{14}$

c $\frac{\sqrt{91}-\sqrt{14}}{7}$

d $\frac{\sqrt{182}-10\sqrt{7}}{14}$

e $\sqrt{91}+1$

f $\frac{3\sqrt{91}+\sqrt{14}}{2}$

5 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{3}+\sqrt{13}}{\sqrt{3}}$$

a $3+\sqrt{39}$

b 2

c $3+2\sqrt{39}$

d $1+\sqrt{39}$

e $\frac{1+\sqrt{39}}{3}$

f $\frac{3+\sqrt{39}}{3}$

6 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{13}+\sqrt{7}}{\sqrt{13}}$$

a $\frac{13+4\sqrt{91}}{13}$

b $13+5\sqrt{91}$

c $\frac{13+\sqrt{91}}{26}$

d $13+\sqrt{91}$

e $1+\sqrt{91}$

f $\frac{13+\sqrt{91}}{13}$

7 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{3}-\sqrt{11}}{\sqrt{3}}$$

a $\frac{4}{3}$

b $1+\sqrt{33}$

c $3\sqrt{2}+\sqrt{33}$

d $3+\sqrt{33}$

e $\frac{3-\sqrt{33}}{3}$

f $\frac{1-\sqrt{33}}{5}$