Math worksheet on *'Radicals - Multiplying Monomials with Binomials (Values Only) (Level 2)'*. Part of a broader unit on *'Radicals - Multiplication Intro'*

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1 Multiply the radical expressions and simplify the answer

$$(\sqrt{3}+\sqrt{7})\cdot\sqrt{5}$$

a	$\sqrt{15}+3\sqrt{35}$	**b**	$2\sqrt{15}+\sqrt{35}$
c	$3\sqrt{15}+\sqrt{35}$	**d**	$\sqrt{15}+\sqrt{35}$
e	$\sqrt{15}+1$	**f**	$\sqrt{15}+2\sqrt{35}$

2 Multiply the radical expressions and simplify the answer

$$(\sqrt{11}+\sqrt{7})\cdot\sqrt{7}$$

a	$\sqrt{77}+7$	**b**	$\sqrt{77}+1$
c	$\sqrt{77}+28$	**d**	$\sqrt{77}+35$
e	8	**f**	$3\sqrt{77}+7$

3 Multiply the radical expressions and simplify the answer

$$\sqrt{2}\cdot(\sqrt{13}+\sqrt{2})$$

a	$\sqrt{26}+1$	**b**	$\sqrt{26}+2$
c	3	**d**	$5\sqrt{26}+2$
e	$\sqrt{26}+\sqrt{2}$	**f**	$\sqrt{26}+10$

4 Multiply the radical expressions and simplify the answer

$$\sqrt{11}\cdot(\sqrt{3}+\sqrt{5})$$

a	$1+\sqrt{55}$	**b**	$\sqrt{33}+2\sqrt{55}$
c	$\sqrt{33}+1$	**d**	$\sqrt{33}+\sqrt{55}$
e	$2\sqrt{33}+\sqrt{55}$	**f**	$5\sqrt{33}+\sqrt{55}$

5 Multiply the radical expressions and simplify the answer

$$\sqrt{13}\cdot(\sqrt{2}+\sqrt{5})$$

a	$1+\sqrt{65}$	**b**	$\sqrt{26}+3\sqrt{65}$
c	$\sqrt{26}+\sqrt{65}$	**d**	$\sqrt{26}+1$
e	$\sqrt{26}+5\sqrt{65}$	**f**	$2+\sqrt{65}$

6 Multiply the radical expressions and simplify the answer

$$\sqrt{13}\cdot(\sqrt{11}+\sqrt{13})$$

a	$\sqrt{143}+13$	**b**	$5\sqrt{143}+13$
c	$4\sqrt{143}+13$	**d**	$2\sqrt{143}+13$
e	$\sqrt{143}+1$	**f**	$\sqrt{143}+26$

7 Multiply the radical expressions and simplify the answer

$$(\sqrt{13}+\sqrt{2})\cdot\sqrt{5}$$

a	$3\sqrt{65}+\sqrt{10}$	**b**	$1+\sqrt{10}$
c	$4\sqrt{65}+\sqrt{10}$	**d**	$\sqrt{65}+4\sqrt{10}$
e	$\sqrt{65}+1$	**f**	$\sqrt{65}+\sqrt{10}$