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

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1 Multiply the radical expressions and simplify the answer

$$\sqrt{27p} \cdot \sqrt{75p}$$

a	b	c	d	e	f
$45\sqrt{p}$	p	$45p^2$	45	$45p$	$45p\sqrt{p}$

2 Multiply the radical expressions and simplify the answer

$$\sqrt{28} \cdot \sqrt{112}$$

a	b	c	d	e	f
56	112	224	280	1	168

3 Multiply the radical expressions and simplify the answer

$$\sqrt{8c} \cdot \sqrt{32c^4}$$

a	b	c	d	e	f
$16c^2\sqrt{c}$	$c^2\sqrt{c}$	$80c^2\sqrt{c}$	$16c^3\sqrt{c}$	$16c^3$	$16c\sqrt{c}$

4 Multiply the radical expressions and simplify the answer

$$\sqrt{44p^4} \cdot \sqrt{99p^2}$$

a	b	c	d	e	f
$66p^3$	$66p^4$	p^3	$132p^3$	$66p^3\sqrt{p}$	$66p^2$

5 Multiply the radical expressions and simplify the answer

$$\sqrt{50d^3} \cdot \sqrt{8}$$

a	b	c	d	e	f
$20d^2\sqrt{d}$	$20d$	$20d\sqrt{d}$	$20d^2$	$80d\sqrt{d}$	$d\sqrt{d}$

6 Multiply the radical expressions and simplify the answer

$$\sqrt{99x^2} \cdot \sqrt{44x^2}$$

a	b	c	d	e	f
$66x^3$	$66x^2$	$264x^2$	$66x$	$66x\sqrt{x}$	$330x^2$

7 Multiply the radical expressions and simplify the answer

$$\sqrt{20m^2} \cdot \sqrt{125m^4}$$

a	b	c	d	e	f
$50m^3\sqrt{m}$	$250m^3$	$50m^4$	$50m^2\sqrt{m}$	$50m^2$	$50m^3$