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Math worksheet on *'Radicals - Cube - Simplifying from Factors, Values only, Radical Remaining (Level 2)'*. Part of a broader unit on *'Radicals - Simplifying Practice'*

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1 Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 7}$$

a	b	c	d	e	f
$\sqrt{4}$	$5\sqrt{6}$	$2\sqrt{7}$	$5\sqrt{8}$	$2\sqrt{4}$	$5\sqrt{9}$

2 Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot 5}$$

a	b	c	d	e	f
$\sqrt{5}$	$3\sqrt{5}$	$6\sqrt{4}$	$4\sqrt{5}$	$5\sqrt{2}$	$5\sqrt{3}$

3 Simplify the radical

$$\sqrt{3 \cdot 3 \cdot 5}$$

a	b	c	d	e	f
$2\sqrt{2}$	$\sqrt{3}$	$\sqrt{6}$	$3\sqrt{5}$	$\sqrt{4}$	$2\sqrt{4}$

4 Simplify the radical

$$\sqrt{3 \cdot 3 \cdot 7}$$

a	b	c	d	e	f
$3\sqrt{8}$	$3\sqrt{7}$	$\sqrt{8}$	$6\sqrt{8}$	$2\sqrt{7}$	$5\sqrt{7}$

5 Simplify the radical

$$\sqrt{5 \cdot 5 \cdot 5}$$

a	b	c	d	e	f
1	$4\sqrt{6}$	$5\sqrt{7}$	$\sqrt{2}$	$8\sqrt{2}$	$5\sqrt{5}$

6 Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot 2}$$

a	b	c	d	e	f
4	6	3	$4\sqrt{2}$	$4\sqrt{3}$	$2\sqrt{4}$

7 Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot 11}$$

a	b	c	d	e	f
$5\sqrt{10}$	$6\sqrt{12}$	$\sqrt{10}$	$4\sqrt{11}$	$6\sqrt{14}$	$5\sqrt{7}$