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Math worksheet on *'Radicals - Addition Under Cubed Radical Plus Integer to Radical (Level 2)'*. Part of a broader unit on *'Radicals - Simplifying Practice'*

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1 Simplify the radical.

$$1 + \sqrt[3]{305 + 143}$$

a	b	c	d	e	f
$1 + 3\sqrt[3]{5}$	$1 + 5\sqrt[3]{8}$	$1 + 3\sqrt[3]{4}$	$1 + 4\sqrt[3]{7}$	$1 + 5\sqrt[3]{7}$	$1 + 6\sqrt[3]{3}$

2 Simplify the radical.

$$3 + \sqrt[3]{39 + 42}$$

a	b	c	d	e	f
$3 + 1$	$3 + 3$	$3 + 6$	$3 + 3\sqrt[3]{3}$	$3 + 2\sqrt[3]{2}$	$3 + 4\sqrt[3]{6}$

3 Simplify the radical.

$$4 + \sqrt[3]{550 + 98}$$

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

4 Simplify the radical.

$$1 + \sqrt[3]{14 + 26}$$

a	b	c	d	e	f
$1 + 4\sqrt[3]{3}$	$1 + 1$	$1 + 5$	$1 + \sqrt[3]{8}$	$1 + 3$	$1 + 2\sqrt[3]{5}$

5 Simplify the radical.

$$1 + \sqrt[3]{1463 - 88}$$

a	b	c	d	e	f
$1 + 3\sqrt[3]{12}$	$1 + 7\sqrt[3]{9}$	$1 + 7\sqrt[3]{8}$	$1 + 5\sqrt[3]{11}$	$1 + 3\sqrt[3]{11}$	$1 + 4\sqrt[3]{7}$

6 Simplify the radical.

$$3 + \sqrt[3]{1078 - 203}$$

a	b	c	d	e	f
$3 + 8\sqrt[3]{6}$	$3 + 4\sqrt[3]{4}$	$3 + 5\sqrt[3]{7}$	$3 + 8\sqrt[3]{3}$	$3 + \sqrt[3]{3}$	$3 + 5\sqrt[3]{9}$

7 Simplify the radical.

$$4 + \sqrt[3]{303 + 572}$$

a	b	c	d	e	f
$4 + 8\sqrt[3]{7}$	$4 + 3\sqrt[3]{8}$	$4 + 5\sqrt[3]{7}$	$4 + 4\sqrt[3]{4}$	$4 + 3\sqrt[3]{6}$	$4 + 4\sqrt[3]{5}$