Math worksheet on *'Radicals - Addition Under Cubed Radical Plus Integer to Radical (Level 1)'*. Part of a broader unit on *'Radicals - Simplifying Practice'*

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1 Simplify the radical.

$$4 + \sqrt[3]{59 - 3}$$

a	b	c	d	e	f
$4 + 2\sqrt[3]{7}$	$4 + \sqrt[3]{8}$	$4 + \sqrt[3]{7}$	$4 + 5\sqrt[3]{5}$	$4 + 4\sqrt[3]{4}$	$4 + \sqrt[3]{3}$

2 Simplify the radical.

$$4 + \sqrt[3]{29 - 5}$$

a	b	c	d	e	f
$4 + 2\sqrt[3]{3}$	$4 + 5\sqrt[3]{6}$	$4 + 4$	$4 + 1$	$4 + 5$	$4 + \sqrt[3]{3}$

3 Simplify the radical.

$$2 + \sqrt[3]{5 + 11}$$

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

4 Simplify the radical.

$$4 + \sqrt[3]{17 - 1}$$

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

5 Simplify the radical.

$$4 + \sqrt[3]{9 + 15}$$

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

6 Simplify the radical.

$$4 + \sqrt[3]{36 + 92}$$

a	b	c	d	e	f
$4 + 7\sqrt[3]{2}$	$4 + 5\sqrt[3]{4}$	$4 + 2$	$4 + 6$	$4 + 4\sqrt[3]{2}$	$4 + 5$

7 Simplify the radical.

$$1 + \sqrt[3]{511 - 63}$$

a	b
$1 + 6\sqrt[3]{10}$	$1 + 4\sqrt[3]{7}$
c	d
$1 + 3\sqrt[3]{4}$	$1 + 5\sqrt[3]{10}$
e	f
$1 + 5\sqrt[3]{6}$	$1 + \sqrt[3]{10}$