# Radicals - Addition Under Cubed Radical Times Integer To Radical

**1** Simplify the radical.

$$2\sqrt[3]{52-12}$$

| A | B | C | D | E |
|---|---|---|---|---|
| $3\sqrt[3]{3}$ | $\sqrt[3]{2}$ | $6\sqrt[3]{8}$ | $5\sqrt[3]{6}$ | $4\sqrt[3]{5}$ |

**2** Simplify the radical.

$$5\sqrt[3]{581-133}$$

| A | B | C | D |
|---|---|---|---|
| $22\sqrt[3]{8}$ | $21\sqrt[3]{6}$ | $20\sqrt[3]{7}$ | $19\sqrt[3]{5}$ |

**3** Simplify the radical.

$$4\sqrt[3]{228-36}$$

| A | B | C | D |
|---|---|---|---|
| $16\sqrt[3]{3}$ | $13\sqrt[3]{4}$ | $18\sqrt[3]{2}$ | $18\sqrt[3]{6}$ |

**4** Simplify the radical.

$$5\sqrt[3]{163+29}$$

| A | B | C | D |
|---|---|---|---|
| $23\sqrt[3]{5}$ | $16\sqrt[3]{2}$ | $17\sqrt[3]{2}$ | $20\sqrt[3]{3}$ |

**5** Simplify the radical.

$$3\sqrt[3]{70+58}$$

| A | B | C | D | E |
|---|---|---|---|---|
| $13\sqrt[3]{3}$ | $9$ | $12\sqrt[3]{2}$ | $14$ | $10\sqrt[3]{3}$ |

**6** Simplify the radical.

$$2\sqrt[3]{554-106}$$

| A | B | C | D | E |
|---|---|---|---|---|
| $5\sqrt[3]{6}$ | $9\sqrt[3]{9}$ | $8\sqrt[3]{7}$ | $7\sqrt[3]{6}$ | $5\sqrt[3]{9}$ |

**7** Simplify the radical.

$$2\sqrt[3]{55-1}$$

| A | B | C | D | E |
|---|---|---|---|---|
| $4\sqrt[3]{4}$ | $6\sqrt[3]{2}$ | $4$ | $5$ | $2$ |

**8** Simplify the radical.

$$5\sqrt[3]{15+25}$$

| A | B | C | D |
|---|---|---|---|
| $10\sqrt[3]{5}$ | $11\sqrt[3]{3}$ | $7\sqrt[3]{3}$ | $10\sqrt[3]{2}$ |

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