



Radicals - Cube - Simplifying from Factors, Values and Variables, Radical

Remaining

1

Simplify the radical

$$\sqrt[3]{3 \cdot 5 \cdot 5 \cdot 5 \cdot p \cdot p}$$

- | | | | | |
|-------------------|------------------|-----------------|----------------|-------------------|
| A | B | C | D | E |
| $5\sqrt[3]{3p^2}$ | $7\sqrt[3]{p^4}$ | $\sqrt[3]{p^3}$ | $4\sqrt[3]{p}$ | $7\sqrt[3]{3p^4}$ |

2

Simplify the radical

$$\sqrt[3]{3 \cdot 3 \cdot 3 \cdot 11 \cdot t \cdot t \cdot t}$$

- | | | | | |
|------------------|------------------|--------------------|-----------------|------------------|
| A | B | C | D | E |
| $2t\sqrt[3]{11}$ | $3t\sqrt[3]{13}$ | $6t^3\sqrt[3]{10}$ | $t\sqrt[3]{11}$ | $3t\sqrt[3]{11}$ |

3

Simplify the radical

$$\sqrt[3]{5 \cdot 5 \cdot 5 \cdot 7 \cdot x \cdot x}$$

- | | | | | |
|-------------------|-------------------|-----------------|--------------------|-------------------|
| A | B | C | D | E |
| $8\sqrt[3]{8x^2}$ | $5\sqrt[3]{9x^4}$ | $2\sqrt[3]{7x}$ | $8\sqrt[3]{10x^3}$ | $5\sqrt[3]{7x^2}$ |

4

Simplify the radical

$$\sqrt[3]{2 \cdot 5 \cdot 5 \cdot 5 \cdot y \cdot y}$$

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

5

Simplify the radical

$$\sqrt[3]{2 \cdot 2 \cdot 2 \cdot 7 \cdot w}$$

- | | | | | |
|-----------------|-----------------|-------------------|-------------------|-----------------|
| A | B | C | D | E |
| $2\sqrt[3]{7w}$ | $5\sqrt[3]{5w}$ | $4\sqrt[3]{3w^2}$ | $5\sqrt[3]{4w^2}$ | $2\sqrt[3]{4w}$ |

6

Simplify the radical

$$\sqrt[3]{2 \cdot 2 \cdot 2 \cdot 3 \cdot m}$$

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

7

Simplify the radical

$$\sqrt[3]{2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 7 \cdot r \cdot r}$$

- | | | | | |
|-----------------|-------------------|-----------------|----------------|-----------------|
| A | B | C | D | E |
| $4\sqrt[3]{6r}$ | $4\sqrt[3]{7r^2}$ | $2\sqrt[3]{8r}$ | $\sqrt[3]{3r}$ | $7\sqrt[3]{8r}$ |

8

Simplify the radical

$$\sqrt[3]{5 \cdot 5 \cdot 5 \cdot 7 \cdot r \cdot r \cdot r}$$

- | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| A | B | C | D | E |
| $5r\sqrt[3]{7}$ | $7r\sqrt[3]{8}$ | $4r\sqrt[3]{3}$ | $2r\sqrt[3]{4}$ | $7r\sqrt[3]{7}$ |