



Radicals - Cube - Simplify From Cubed Factors, Values and Variables, Radical

Remaining

1 Simplify the radical

$$\sqrt[3]{3^3 \cdot 11 \cdot x}$$

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|------------------|-------------------|--------------------|------------------|------------------|
| A | B | C | D | E |
| $6\sqrt[3]{10x}$ | $5\sqrt[3]{7x^2}$ | $2\sqrt[3]{12x^2}$ | $4\sqrt[3]{10x}$ | $3\sqrt[3]{11x}$ |

2 Simplify the radical

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

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

3 Simplify the radical

$$\sqrt[3]{2^3 \cdot 11 \cdot y^3}$$

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|------------------|--------------------|------------------|--------------------|----------------|
| A | B | C | D | E |
| $4y\sqrt[3]{13}$ | $5y^3\sqrt[3]{10}$ | $2y\sqrt[3]{11}$ | $2y^3\sqrt[3]{11}$ | $y\sqrt[3]{9}$ |

4 Simplify the radical

$$\sqrt[3]{2 \cdot 5^3 \cdot r}$$

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

5 Simplify the radical

$$\sqrt[3]{3 \cdot 5^3 \cdot m}$$

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|----------------|-----------------|-----------------|------------------|
| A | B | C | D |
| $5\sqrt[3]{m}$ | $5\sqrt[3]{3m}$ | $2\sqrt[3]{5m}$ | $\sqrt[3]{3m^2}$ |

6 Simplify the radical

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

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

7 Simplify the radical

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

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

8 Simplify the radical

$$\sqrt[3]{3^3 \cdot 7 \cdot y}$$

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|-------------------|-----------------|-------------------|-----------------|----------------|
| A | B | C | D | E |
| $5\sqrt[3]{8y^2}$ | $6\sqrt[3]{3y}$ | $\sqrt[3]{10y^3}$ | $3\sqrt[3]{7y}$ | $\sqrt[3]{3y}$ |