



## Radicals - Cube - Simplifying, Values and Variables, Radical Remaining

|  |  |   |   |
|--|--|---|---|
| <p>1 Simplify the radical</p> $\sqrt[3]{40qr^4}$   | <p>A <math>2r\sqrt[3]{5qr}</math></p>      | <p>B <math>r^2\sqrt[3]{4q^3r}</math></p>    | <p>2 Simplify the radical</p> $\sqrt[3]{128r^5x^4}$ |
|  | <p>C <math>r\sqrt[3]{3qr^3}</math></p>     | <p>D <math>4r\sqrt[3]{6qr}</math></p>       | <p>A <math>4rx\sqrt[3]{2r^2x}</math></p>            |
|  | <p>E <math>2r\sqrt[3]{6q^2r^2}</math></p>  |   | <p>B <math>2r^2x\sqrt[3]{5r^3x}</math></p>          |
| <p>3 Simplify the radical</p> $\sqrt[3]{81n^2y^4}$ | <p>A <math>2y\sqrt[3]{n^3y}</math></p>     | <p>B <math>6y^2\sqrt[3]{3n^3y^3}</math></p> | <p>4 Simplify the radical</p> $\sqrt[3]{375zp}$     |
|  | <p>C <math>6y\sqrt[3]{4ny^2}</math></p>    | <p>D <math>3y\sqrt[3]{3n^2y}</math></p>     | <p>A <math>5\sqrt[3]{3zp}</math></p>                |
|  | <p>E <math>5y^3\sqrt[3]{n^4y^3}</math></p> |   | <p>B <math>8\sqrt[3]{3zp}</math></p>                |
| <p>5 Simplify the radical</p> $\sqrt[3]{40x^5t^4}$ | <p>A <math>5xt\sqrt[3]{xt}</math></p>      | <p>B <math>x^2t^3\sqrt[3]{7x^4t}</math></p> | <p>6 Simplify the radical</p> $\sqrt[3]{128n^5p^4}$ |
|  | <p>C <math>2xt\sqrt[3]{5x^2t}</math></p>   | <p>D <math>xt^3\sqrt[3]{5x^4t^3}</math></p> | <p>A <math>2np^2\sqrt[3]{2n^2p}</math></p>          |
|  | <p>E <math>xt\sqrt[3]{8xt^2}</math></p>    |   | <p>B <math>2np\sqrt[3]{np^3}</math></p>             |
| <p>7 Simplify the radical</p> $\sqrt[3]{625xm^3}$  | <p>A <math>3m\sqrt[3]{8x}</math></p>       | <p>B <math>m^3\sqrt[3]{5x}</math></p>       | <p>8 Simplify the radical</p> $\sqrt[3]{16py^4}$    |
|  | <p>C <math>5m\sqrt[3]{5x}</math></p>       | <p>D <math>3m\sqrt[3]{8x^3}</math></p>      | <p>A <math>y^2\sqrt[3]{py}</math></p>               |
|  | <p>E <math>4m^2\sqrt[3]{6x^2}</math></p>   |   | <p>B <math>5y\sqrt[3]{3p^3y}</math></p>             |
|  |  |   | <p>C <math>2y\sqrt[3]{2py}</math></p>               |
|  |  |   | <p>D <math>2y\sqrt[3]{4p^2y}</math></p>             |
|  |  |   | <p>E <math>y\sqrt[3]{5p^2y}</math></p>              |