



Radicals - Multiplying Monomials (Values and Variables) over Integer

1 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{50t^3q} \cdot \sqrt{45t^3q}}{3}$$

- | | |
|---------------------|--------------------|
| A $60t^3q\sqrt{10}$ | B $5t^3q\sqrt{10}$ |
| C $45t^3q\sqrt{10}$ | D $t^3\sqrt{10}$ |
| E $15t^3\sqrt{10q}$ | |

2 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{28wn^2} \cdot \sqrt{20wn}}{2}$$

- | | |
|--------------------|-------------------|
| A $n\sqrt{35n}$ | B $2wn\sqrt{35n}$ |
| C $wn^2\sqrt{35}$ | D $4wn\sqrt{35n}$ |
| E $16wn\sqrt{35n}$ | |

3 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{28w^4n} \cdot \sqrt{12w^3n^3}}{2}$$

- | | |
|-----------------------|-----------------------|
| A $2w^3n^2\sqrt{21w}$ | B $4w^3n^3\sqrt{21w}$ |
| C $w^3n^2\sqrt{21w}$ | D $4w^3n^2\sqrt{21}$ |
| E $w^3n^2\sqrt{21}$ | |

4 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{20p^3} \cdot \sqrt{18x^2p}}{3}$$

- | | |
|--------------------|-----------|
| A $0p^2x$ | B $6p^2x$ |
| C $0p^2x\sqrt{10}$ | D p^2x |
| E $2p^2x\sqrt{10}$ | |

5 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{50nt^4} \cdot \sqrt{63n^2t}}{5}$$

- | | |
|-----------------------|----------------------|
| A $3nt^2\sqrt{14nt}$ | B $15nt\sqrt{14nt}$ |
| C $0n^2t^2\sqrt{14t}$ | D $0nt^2\sqrt{14nt}$ |
| E $45nt^2\sqrt{14nt}$ | |

6 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{50wq^2} \cdot \sqrt{12wq^3}}{2}$$

- | | |
|---------------------|--------------------|
| A $2wq^3\sqrt{6q}$ | B $5wq^2\sqrt{6q}$ |
| C $10q^2\sqrt{6wq}$ | D $2q^2\sqrt{6q}$ |
| E $2wq^3\sqrt{6}$ | |

7 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{112m^3} \cdot \sqrt{8ym^4}}{2}$$

- | | |
|--------------------------|----------------------|
| A $8m^3\sqrt{14my^{-1}}$ | B $4m^3\sqrt{14my}$ |
| C $8m^3\sqrt{14my}$ | D $16m^3\sqrt{14my}$ |
| E $8m^4\sqrt{14y}$ | |

8 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{44nz^2} \cdot \sqrt{18z^3}}{3}$$

- | | |
|---------------------|---------------------|
| A $6z\sqrt{22nz}$ | B $0z^2\sqrt{nz}$ |
| C $2z^2\sqrt{22nz}$ | D $6z^3\sqrt{22nz}$ |
| E $6z^3\sqrt{22n}$ | |