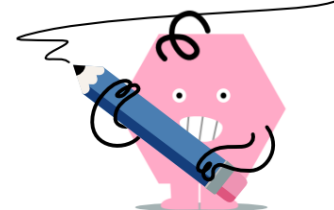




Radicals - Multiplying Monomials with Binomials (Values Only)



1 Multiply the radical expressions and simplify the answer

$$3\sqrt[3]{3} \cdot (\sqrt[3]{5} + 2\sqrt[3]{7})$$

- | | | | |
|---|--------------------------------|---|---------------------------------|
| A | $3 + 6\sqrt[3]{21}$ | B | $3\sqrt[3]{15} + 6\sqrt[3]{21}$ |
| C | $3\sqrt[3]{3} + 6\sqrt[3]{21}$ | D | $3\sqrt[3]{15} + 6$ |
| E | $3\sqrt[3]{15} + \sqrt[3]{21}$ | | |

2 Multiply the radical expressions and simplify the answer

$$(\sqrt{2} + 5\sqrt{3}) \cdot 2\sqrt{3}$$

- | | | | |
|---|------------------|---|------------------|
| A | $\sqrt{6} + 30$ | B | $2\sqrt{6} + 10$ |
| C | $2\sqrt{6} + 30$ | D | $2\sqrt{6} + 3$ |

3 Multiply the radical expressions and simplify the answer

$$(3\sqrt{11} + \sqrt{7}) \cdot 4\sqrt{3}$$

- | | | | |
|---|---------------------------|---|----------------------------|
| A | $12\sqrt{33} + \sqrt{21}$ | B | $12\sqrt{33} + 4\sqrt{21}$ |
| C | $\sqrt{33} + 4\sqrt{21}$ | D | $12 + 4\sqrt{21}$ |

4 Multiply the radical expressions and simplify the answer

$$(2\sqrt{3} - \sqrt{11}) \cdot 2\sqrt{2}$$

- | | | | |
|---|-------------------------|---|--------------------------|
| A | $\sqrt{6} - 2\sqrt{22}$ | B | $4\sqrt{6} - 2$ |
| C | $4\sqrt{6} - \sqrt{22}$ | D | $4\sqrt{6} - 2\sqrt{22}$ |

5 Multiply the radical expressions and simplify the answer

$$2\sqrt[3]{2} \cdot (2\sqrt[3]{7} - \sqrt[3]{5})$$

- | | | | |
|---|---------------------------------|---|---------------------------------|
| A | $4\sqrt[3]{14} - 2$ | B | $4\sqrt[3]{14} - 5\sqrt[3]{10}$ |
| C | $4\sqrt[3]{14} - 2\sqrt[3]{10}$ | D | $\sqrt[3]{14} - 2\sqrt[3]{10}$ |
| E | $4\sqrt[3]{4} - 2\sqrt[3]{10}$ | | |

6 Multiply the radical expressions and simplify the answer

$$3\sqrt[3]{3} \cdot (\sqrt[3]{13} + 2\sqrt[3]{3})$$

- | | | | |
|---|--------------------------------|---|--------------------------------|
| A | $3\sqrt[3]{39} + 6\sqrt[3]{4}$ | B | $3\sqrt[3]{39} + 6\sqrt[3]{9}$ |
| C | $3 + 6\sqrt[3]{9}$ | D | $5\sqrt[3]{39} + 6\sqrt[3]{9}$ |
| E | $\sqrt[3]{39} + 6\sqrt[3]{9}$ | | |

7 Multiply the radical expressions and simplify the answer

$$(5\sqrt{5} + \sqrt{5}) \cdot 2\sqrt{3}$$

- | | | | |
|---|-------------------|---|---------------|
| A | $13\sqrt{15}$ | B | $11\sqrt{15}$ |
| C | $10 + 2\sqrt{15}$ | D | $14\sqrt{15}$ |
| E | $12\sqrt{15}$ | | |

8 Multiply the radical expressions and simplify the answer

$$2\sqrt{11} \cdot (4\sqrt{2} + \sqrt{2})$$

- | | | | |
|---|---------------|---|-------------------|
| A | $9\sqrt{22}$ | B | $7\sqrt{22}$ |
| C | $10\sqrt{22}$ | D | $16 + 2\sqrt{22}$ |