Radicals - Multiplying Monomials (Values and Variables) over Fraction

1 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{44z^3} \cdot \sqrt{48q^3z^3}}{\frac{2}{5}}$$

A	$50z^2q\sqrt{33q}$	B	$20z^3q\sqrt{33q}$
C	$8z^3\sqrt{33q}$	D	$8z^3q\sqrt{33q}$
E	$32z^3q\sqrt{33q}$		

2 Multiply the radical expressions and simplify the answer

$$\sqrt{175z^2t^3} \cdot \sqrt{12t}$$

A	$10zt^2\sqrt{21}$	B	$10zt^2\sqrt{21t}$
C	$10t^2\sqrt{21}$	D	$10zt^2$
E	$20zt^2\sqrt{21}$		

3 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{325} \cdot \sqrt{12m}}{\frac{2}{3}}$$

A	$10m\sqrt{39m}$	B	$10\sqrt{m}$
C	$15\sqrt{39m}$	D	$10\sqrt{39m}$

4 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{45w^4y^3} \cdot \sqrt{63w^3y}}{\frac{3}{5}}$$

A	$9w^2y^2\sqrt{35w}$	B	$9w^3y^2\sqrt{35w}$
C	$25w^3y^2\sqrt{35w}$	D	$15w^3y^2\sqrt{35w}$
E	$25w^3y^2\sqrt{35}$		

5 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{32n^2t} \cdot \sqrt{28n^3t}}{\frac{2}{5}}$$

A	$8n^2t\sqrt{14n}$	B	$20n^2t\sqrt{14n}$
C	$8n^2t\sqrt{14}$	D	$50n^2\sqrt{14n}$

6 Multiply the radical expressions and simplify the answer

$$\sqrt{44t^4n} \cdot \sqrt{18t^4n}$$

A	$6t^4n\sqrt{22}$	B	$6t^3n\sqrt{22}$
C	$6t^3n\sqrt{22t}$	D	$6t^4n$

7 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{48m^3} \cdot \sqrt{27}}{\frac{2}{5}}$$

A	$90m\sqrt{m}$	B	$36m\sqrt{m}$
C	$180m\sqrt{m}$	D	$225m\sqrt{m}$
E	$36m$		

8 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{175t^2n^4} \cdot \sqrt{12tn^2}}{\frac{2}{4}}$$

A	$40tn^4\sqrt{21t}$	B	$10tn^2\sqrt{21tn}$
C	$20tn^3\sqrt{21t}$	D	$10n^3\sqrt{21t}$
E	$10tn^2\sqrt{21t}$		