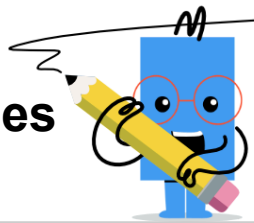
Name

Radicals - Multiplying Monomials (Values and Variables) over Fraction



1 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{13m^3}\cdot\sqrt{325m^2}}{\frac{5}{4}}$$

A	$65m^2\sqrt{m}$	B	$65m^2$
C	$41m^2\sqrt{m}$	D	$52m^2\sqrt{m}$
E	$41m^2$		

2 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{7p^3}\cdot\sqrt{63p^2}}{\frac{7}{4}}$$

A	$21p\sqrt{p}$	B	$12p^2\sqrt{p}$
C	$21p^2\sqrt{p}$	D	$21p^3\sqrt{p}$

3 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{208r}\cdot\sqrt{13r^2}}{\frac{2}{5}}$$

A	$52r\sqrt{r}$	B	$52r^2$
C	$130r\sqrt{r}$	D	$325r\sqrt{r}$

4 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{3w^3}\cdot\sqrt{27w}}{\frac{3}{2}}$$

A	$27w^2$	B	w^2
C	$6w^2$	D	$4w^2$
E	$9w^2$		

5 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{5q^4}\cdot\sqrt{80q^2}}{\frac{2}{3}}$$

A	$45q^4$	B	$20q^4$
C	$30q^3$	D	$45q^3$
E	$20q^3$		

6 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{18}\cdot\sqrt{2}}{\frac{3}{4}}$$

A	10	B	30
C	8	D	6

7 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{3}\cdot\sqrt{48p^3}}{\frac{3}{5}}$$

A	$20p\sqrt{p}$	B	$12p\sqrt{p}$
C	$12p^2\sqrt{p}$	D	$33p\sqrt{p}$
E	$12p^2$		

8 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{7q^4}\cdot\sqrt{28q^3}}{\frac{7}{5}}$$

A	$q^3\sqrt{q}$	B	$28q^3\sqrt{q}$
C	$14q^3$	D	$10q^3\sqrt{q}$
E	$7q^3$		