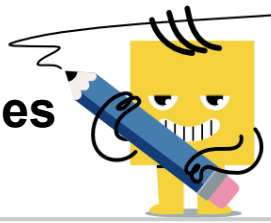
Name

Radicals - Multiplying Monomials (Values and Variables) over Integer



1 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{11t}\cdot\sqrt{176t^4}}{11}$$

A	B	C	D	E
$176t^2\sqrt{t}$	$132t^2\sqrt{t}$	$4t^2\sqrt{t}$	$44t\sqrt{t}$	$44t^3\sqrt{t}$

2 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{27x}\cdot\sqrt{3x^3}}{3}$$

A	B	C	D	E
x	$3x^2$	$9x$	$9x\sqrt{x}$	$9x^2$

3 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{325n^2}\cdot\sqrt{13n^3}}{13}$$

A	B	C	D
$5n^2\sqrt{n}$	$65n\sqrt{n}$	$65n^3\sqrt{n}$	$65n^2\sqrt{n}$

4 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{75q^4}\cdot\sqrt{3q^4}}{3}$$

A	B	C	D
q^3	q^4	$15q^3$	$5q^4$

5 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{48r^3}\cdot\sqrt{3r^4}}{3}$$

A	B	C	D	E
$12r^3\sqrt{r}$	$12r^4\sqrt{r}$	$4r^3\sqrt{r}$	$12r^2\sqrt{r}$	$12r^3$

6 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{20q}\cdot\sqrt{5q^2}}{2}$$

A	B	C	D
$10\sqrt{q}$	$40q\sqrt{q}$	$5q\sqrt{q}$	$10q^2$

7 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{5n^2}\cdot\sqrt{20n^4}}{2}$$

A	B	C	D
$10n^2\sqrt{n}$	$2n^3$	$10n^4$	$5n^3$

8 Multiply the radical expressions and simplify the answer

$$\frac{\sqrt{5r^4}\cdot\sqrt{45r}}{5}$$

A	B	C	D
$3r^2\sqrt{r}$	$r^2\sqrt{r}$	$15r^3\sqrt{r}$	$0r^3\sqrt{r}$