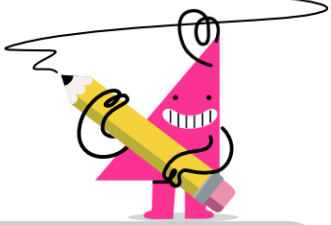
Name

Radicals - Cube - Simplifying from Factors, Values and Variables, Radical Remaining



1 Simplify the radical

$$\sqrt{5 \cdot 5 \cdot 7 \cdot c \cdot c \cdot n \cdot n \cdot n \cdot n \cdot n}$$

A	$7c^2n^3\sqrt{10n}$	B	$cn\sqrt{4n^2}$
C	$5cn^2\sqrt{7n}$	D	$7cn^2\sqrt{3n}$
E	$6c^3n\sqrt{8n^3}$		

2 Simplify the radical

$$\sqrt{3 \cdot 3 \cdot 7 \cdot d \cdot d \cdot d \cdot m}$$

A	$d\sqrt{3dm}$	B	$4d\sqrt{8d^2m^3}$
C	$d\sqrt{7dm}$	D	$3d\sqrt{7dm}$
E	$4d\sqrt{7d^2m}$		

3 Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 3 \cdot c \cdot r}$$

A	B	C	D	E
$3\sqrt{6c^3r}$	$4\sqrt{c^3r}$	$2\sqrt{3cr}$	$5\sqrt{c^2r}$	$\sqrt{cr^2}$

4 $\sqrt{2 \cdot 5 \cdot 5 \cdot n \cdot n \cdot n \cdot n \cdot n \cdot x \cdot x \cdot x \cdot x \cdot x}$

Simplify the radical

A	B	C	D	E
$5nx^4\sqrt{3n^3x^3}$	$8n^2x\sqrt{n^2x^3}$	$5n^2x^2\sqrt{2nx}$	$2n^2x\sqrt{2n^2x}$	$5n^4x^2\sqrt{2n^3x}$

5 Simplify the radical

$$\sqrt{5 \cdot 5 \cdot 7 \cdot d \cdot d \cdot d \cdot c \cdot c \cdot c \cdot c}$$

A	B	C	D	E
$5dc^4\sqrt{9d}$	$7d^2c\sqrt{5d}$	$3dc^4\sqrt{6d}$	$6dc\sqrt{3d}$	$5dc^2\sqrt{7d}$

6 $\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot 11 \cdot b \cdot b \cdot b \cdot d \cdot d \cdot d \cdot d \cdot d}$

Simplify the radical

A	B	C	D	E
$2bd^4\sqrt{7bd}$	$b^3d^3\sqrt{8bd^3}$	$5b^2d^2\sqrt{11bd}$	$4bd^2\sqrt{11bd}$	$3b^2d^4\sqrt{11b^2d^2}$

7 $\sqrt{3 \cdot 3 \cdot 7 \cdot c \cdot c \cdot c \cdot c \cdot p \cdot p \cdot p \cdot p \cdot p}$

Simplify the radical

A	B	C	D	E
$5c^3p\sqrt{6p}$	$3c^2p^2\sqrt{7p}$	$c^3p^3\sqrt{9p}$	$cp^2\sqrt{4p^2}$	$5c^3p^4\sqrt{4p^2}$

8 Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot d \cdot d \cdot y \cdot y \cdot y \cdot y \cdot y}$$

A	$2d^2y\sqrt{4y}$	B	$dy^4\sqrt{5y}$
C	$5dy^2\sqrt{y}$	D	$2dy^2\sqrt{2y}$
E	$2dy\sqrt{y^3}$		