Name:		



Math worksheet on 'Radicals - Multiplying Monomials (Values and Variables) (Level 3)'. Part of a broader unit on 'Radicals - Multiplication Intro'

Learn online: app.mobius.academy/math/units/radicals multiplication intro/

1	Multiply the radical expressions and simplify
	the answer

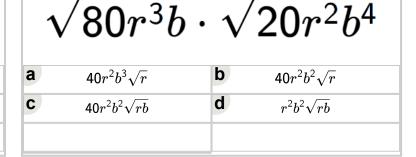


а	$8z^2r^3\sqrt{14r}$	b	$8z^2r^2\sqrt{14r}$	
C	$z^2r^3\sqrt{r}$	d	$40z^2r^3\sqrt{14r}$	

Multiply the radical expressions and simplify the answer

$$\sqrt{75p^4x^2}\cdot\sqrt{32p^2}$$
 a $\frac{20p^3x^2\sqrt{6}}{20p^3x\sqrt{6}}$ b $\frac{p^3x}{20p^3\sqrt{6}}$

Multiply the radical expressions and simplify the answer



4 Multiply the radical expressions and simplify the answer

$$\sqrt{32c^3\cdot\sqrt{125n^3}}$$
a $_{60cn\sqrt{10cn}}$ b $_{40cn\sqrt{10cn}}$ c $_{20cn^2\sqrt{10cn}}$ d $_{20cn\sqrt{10cn}}$

Multiply the radical expressions and simplify the answer

$$\sqrt{44c^3\cdot\sqrt{27}}$$
 a b c $\sqrt{6}c^2\sqrt{33}$ $\sqrt{33}c$ $\sqrt{6}c\sqrt{33}c$

Multiply the radical expressions and simplify the answer

$$\sqrt{112r^2}\cdot\sqrt{44r^4m}$$
a $r^3\sqrt{m}$ b $8r^3\sqrt{77rm}$
c $8r^3\sqrt{77}$ d $8r^3\sqrt{77m}$
e $32r^3\sqrt{77m}$

7 Multiply the radical expressions and simplify the answer

$$\sqrt{8r^2c^3}\cdot\sqrt{125rc^3}$$

а	$10rc^2\sqrt{10r}$	b	$10c^3\sqrt{10r}$
C	$10rc^3\sqrt{10r}$		