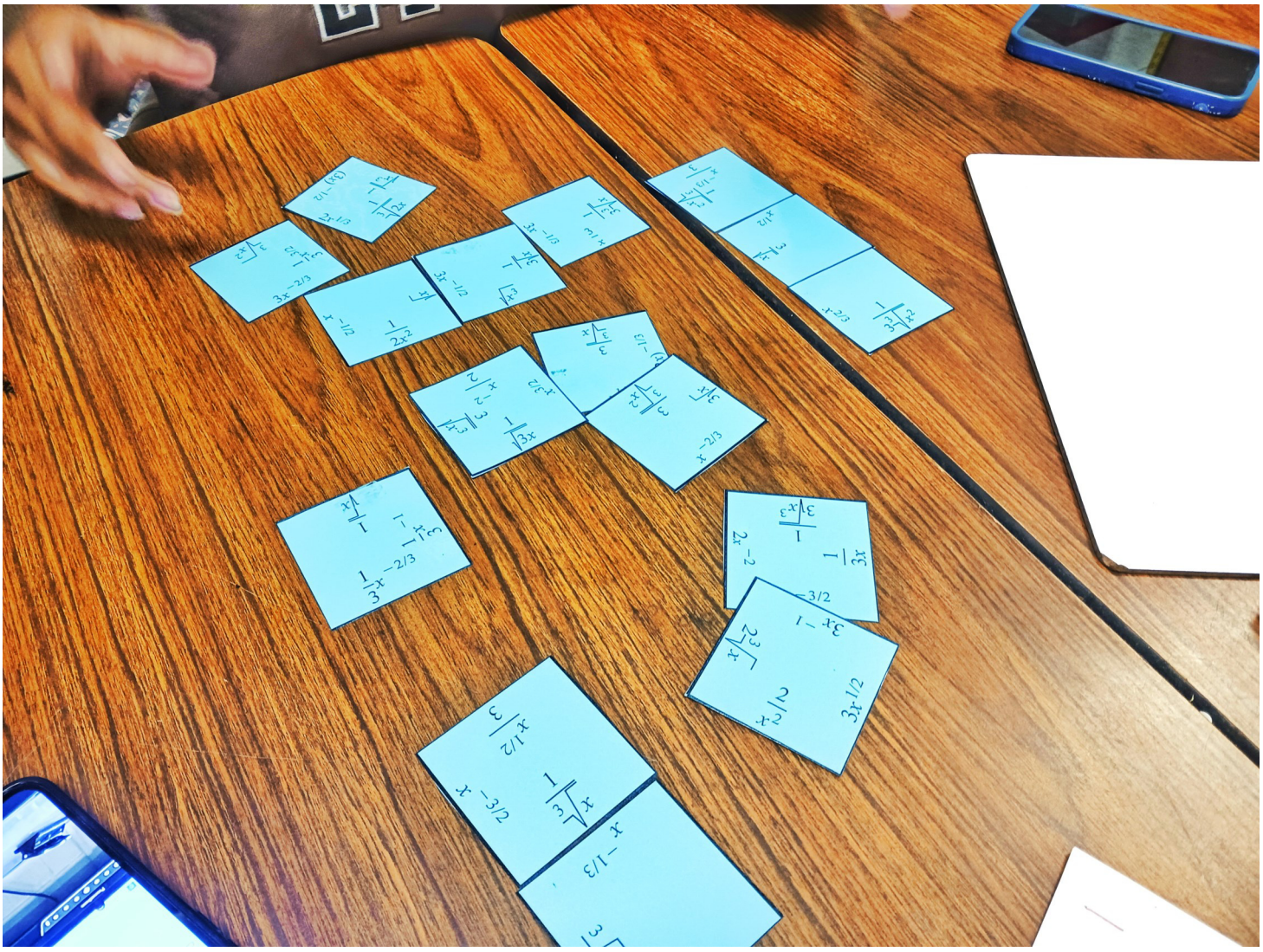
CONVERTING BETWEEN RADICALS AND RATIONAL EXPONENTS

SQUARE TARSIA PUZZLE



Created by Sarah Carter | @mathequalslove | mathequalslove.net

M + A + T + H = love

LARGE GROUP SIZED PIECES

$$x^{2/3}$$

$$\frac{1}{\sqrt[3]{x^2}}$$

$$\frac{1}{\sqrt{x}}$$

$$\frac{1}{3}x^{-1}$$

$$\frac{1}{3}x^{-2/3}$$

$$\frac{3}{x^{-1/2}}$$

$$x^{-3/2}$$

$$\frac{1}{\sqrt[3]{x}}$$

$$\frac{1}{\sqrt[3]{x^2}}$$

$$\frac{x^{-1/3}}{3}$$

$$\frac{1}{3}x^{-3/2}$$

$$\sqrt[3]{x^2}$$

$$3x^{-2/3}$$

$$x^{1/2}$$

$$\frac{3}{\sqrt{x}}$$

$x^{-2/3}$

$\sqrt[3]{x^2}$

$\sqrt{3x}$

$\frac{1}{\sqrt[3]{2x}}$

$\frac{1}{\sqrt[3]{x}}$

$2x^{1/3}$

$(3x)^{-1/2}$

$3x^{-1/2}$

$\frac{1}{\sqrt[3]{x}}$

$\sqrt{x^3}$

$x^{1/3}$

$\frac{3}{\sqrt[3]{x}}$

$(2x)^{-1/3}$

$$\frac{1}{\sqrt[3]{x}}$$

$$x^3$$

$$3x^{-1/3}$$

$$\sqrt{x}$$

$$x^{-1/2}$$

$$\frac{1}{2x^2}$$

$$\frac{1}{\sqrt[3]{x^3}}$$

$$2x^{-2}$$

$$\frac{1}{3x}$$

$$3x^{-3/2}$$

$$x^{-1/3}$$

$$\sqrt[3]{x}$$

$3x^{-1}$

$\sqrt[3]{x^2}$

$3x^{1/2}$

$\frac{2}{x^2}$

$x^{3/2}$

$2x^{-2}$

$\frac{1}{\sqrt{3x}}$

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

MEDIUM GROUP SIZED PIECES

$\frac{3}{\sqrt{x}}$	$\frac{x^{-1/3}}{3}$
$\frac{1}{\sqrt[3]{x}}$	$\frac{3}{x^{-1/2}}$
$x^{1/2}$	$\frac{1}{\sqrt[3]{x^2}}$
$3x^{-2/3}$	$\frac{1}{3}x^{-3/2}$
$\sqrt[3]{x^2}$	$\frac{1}{3}x^{-2/3}$
$x^{2/3}$	$\frac{1}{3}x^{-1}$
$\frac{1}{\sqrt[3]{x^2}}$	$\frac{1}{\sqrt{x}}$

$\frac{1}{\sqrt[3]{2x}}$	$2x^{1/3}$	$(3x)^{-1/2}$
$\frac{1}{\sqrt[3]{x^3}}$	$3\sqrt[3]{x^2}$	$x^{-2/3}$
$x^{1/3}$	$3\sqrt[3]{x}$	$(2x)^{-1/3}$
$3x^{-1/2}$	$\frac{1}{3\sqrt[3]{x}}$	$\sqrt{x^3}$
$\sqrt{x}$	$x^{-1/2}$	$\frac{1}{2x^2}$
$3x$	$\frac{1}{\sqrt[3]{3x}}$	$3x^{-1/3}$

$\frac{1}{\sqrt[3]{x^3}}$

$x^{-1/3}$

$2x^{-2}$

$\frac{1}{3\sqrt[3]{x}}$

$3x^{-3/2}$

$3x^{-1}$

$\sqrt[3]{x^2}$

$3x^{1/2}$

$\frac{2}{x^{-2}}$

$\frac{1}{\sqrt{3x}}$

$\frac{2}{x^2}$

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

SMALL INDIVIDUAL SIZED PIECES

$\sqrt{x^3}$	$(2x)^{-1/3}$
$3x^{-1/2}$	$x^{1/3}$
$\frac{1}{\sqrt[3]{x}}$	$\sqrt[3]{x}$
$3x^{-1/3}$	$\frac{1}{2x^2}$
$\frac{1}{\sqrt[3]{x^3}}$	$x^{-1/2}$
$3x$	$\sqrt{x}$
$3x^{-3/2}$	$x^{-1/3}$
$2x^{-2}$	$\sqrt[3]{x}$
$\frac{1}{\sqrt[3]{x^3}}$	$\frac{1}{3x}$
$\frac{2}{x^2}$	$\frac{3}{\sqrt{x^3}}$
$3x^{1/2}$	$\frac{2}{x^{-2}}$
$\sqrt[3]{x^2}$	$\frac{1}{\sqrt{3x}}$
$3x^{-1}$	$x^{3/2}$

$\frac{1}{\sqrt{x}}$ $\frac{1}{3}x^{-1}$ $\frac{1}{3}x^{-2/3}$	$x^{2/3}$ $\frac{1}{\sqrt[3]{x^2}}$
$\frac{1}{\sqrt[3]{x^2}}$ $\frac{x^{-1/3}}{3}$	$\frac{3}{x^{-1/2}}$ $\frac{1}{\sqrt[3]{x}}$ $x^{-3/2}$
$\frac{3}{\sqrt{x}}$ $x^{1/2}$	$\frac{1}{3}x^{-3/2}$ $\sqrt[3]{x^2}$ $3x^{-2/3}$
$\frac{1}{\sqrt[3]{2x}}$ $\frac{1}{\sqrt{x^3}}$ $2x^{1/3}$ $(3x)^{-1/2}$	$3\sqrt[3]{x^2}$ $x^{-2/3}$ $3\sqrt{x}$