

Rational Number Maze

Name KEY

Complete the maze by determining if the numbers are rational or irrational. Color in the squares containing rational numbers. When you are finished you should have a path leading from the start to the end. Always simplify first.

Rational Numbers can be ...

- ★ whole number
- ★ decimals that repeat
- ★ Integers
- ★ decimals that terminate
- ★ negative numbers
- ★ natural numbers
- ★ fractions that can be written as decimals

Start Here	3	$\sqrt{7}$	4.25	$\sqrt{144}$	3/10
$\frac{\sqrt{3}}{2}$	6/3	2.95	$2\frac{2}{3}$	π	0.33333 33333...
$\pi + 3$	$\sqrt[3]{9}$	0.12323 4345456 567...	$3 + \sqrt{71}$	$\frac{2}{0}$	5/2
$\frac{0}{2}$	-31	$3 + \sqrt{81}$	3^2	2 - 3	0 - 4
2^3	-3π	9.89012 34562...	1.12112 21112...	$5 - \sqrt{3}$	9.23242 52627...
4/3	$4\sqrt{5}$	$4\sqrt{4}$	$\sqrt[3]{8}$	9	$\sqrt{5}$
-2/4	$-\sqrt{9}$	$3 - \frac{3}{4}$	$6\sqrt{3}$	$-\frac{25}{37}$	End Here

Name _____

Directions: Shade all of the spaces that have irrational numbers to reveal a secret message.

6π	.0389...	3.1	1000	$\frac{\pi}{5\pi}$	-0.1	$\sqrt{14}$	88	$\frac{\pi}{4}$	7.8	$-\sqrt{3}$
1	58	7π	$\frac{1}{3}$	.333...	$\frac{1}{52}$	-2π	9	$\frac{\pi-2}{2+\pi}$	61	$\sqrt{18}$
$\frac{\pi}{1+\pi}$	$\frac{2\pi}{2+\pi}$	$\frac{111}{22}$	13	-700	$-\frac{9}{2}$	50π	$\pi-\pi$	$\frac{2\pi}{7}$	$\frac{\pi}{25+\pi}$	$-\sqrt{8}$
144	$\frac{4\pi}{2\pi}$	$\frac{5}{\pi}$	-4.32	$\frac{100}{2}$	-5.5	3π	$\frac{10}{2}$	0.005	12	$\frac{15524}{10000}$
-8π	$\frac{5\pi}{4+\pi}$	$10\frac{1}{3}$	3.14	.208...	400	8π	$\overline{.13}$	$\frac{4}{5}$	8.364	0.1856...
$\sqrt{144}$	$\frac{\pi}{2\pi}$	2.12	9.9	.1212...	0.12	$\sqrt{400}$	$-\frac{7}{2}$	$\sqrt{49}$	$\frac{30\pi}{\pi}$	$\overline{038}$
$\sqrt{40}$	$\sqrt{16}$	$4\frac{1}{2}$	.9025...	.1278...	$\frac{1}{2}$	$\pi\sqrt{4}$	4π	8π	5π	400π
$\sqrt{65}$	$\sqrt{81}$	100	33π	$\sqrt{9}$	$\frac{3\pi}{2\pi}$	$\overline{.8}$	$6\sqrt{2}$	2.01	$\frac{6\pi}{27}$	$\frac{91}{32}$
$\sqrt{5}$	$\sqrt{900}$	.2578...	.6208...	-2	3.82	73.9	$5\sqrt{5}$	$-\frac{411}{3}$	$\frac{\pi}{2}$	72
$\sqrt{1}$	7	32	$\sqrt{121}$	$\frac{\pi+2}{2+\pi}$	.0002	.1923	$\frac{\pi}{\pi}$	1	$\overline{34}$	65
$\sqrt{6}$	$\frac{6\pi}{8}$	76	5.4	0.301	2π	887	.258	$\sqrt{500}$	197	$3\sqrt{2}$
55π	0.9	$4\pi+\pi$	-934	$\sqrt{99}$	0	$\sqrt{15}$	4.5	$2\pi-\pi$	$-\pi$	$\sqrt{126}$
42π	24	$\frac{\pi}{3}$	-8.9	$\frac{\pi}{2+\pi}$	π	$\sqrt{800}$	$8.5\overline{4}$	$\sqrt{100}$	$\sqrt{200}$	2
2018...	$\sqrt{10}$	1.563	55.78	$\sqrt{12}$	0.23	$\sqrt{120}$	9	1000	$\frac{\pi}{7+\pi}$	8.009