

Fill in the Blanks

Rational and Irrational Numbers

Number	Rational or Irrational?	First Eight Digits	Rounded to 1 Decimal Place	Rounded to 2 Decimal Places	Rounded to 1 Significant Figure	Rounded to 3 Significant Figures
$\sqrt{10}$	<i>Irrational</i>	3.1622776..	3.2	3.16	3	3.16
$\frac{\pi}{2}$	<i>Irrational</i>	1.5707963 ...	1.6	1.57	2	1.57
$\sqrt[3]{1200}$	<i>Irrational</i>	10.626585 ...	10.6	10.63	10	10.6
7π	<i>Irrational</i>	21.991148 ...	22.0	21.99	20	22.0
$7.\dot{6}$	<i>Rational</i>	7.6666666 ...	7.7	7.67	8	7.67
$\pi + 15$	<i>Irrational</i>	18.141592 ...	18.1	18.14	20	18.1
$\frac{7}{90}$	<i>Rational</i>	0.0777777 ...	0.1	0.08	0.08	0.0778
$125 - \sqrt{3}$	<i>Irrational</i>	123.26794 ...	123.3	123.27	100	123
$\sqrt{5}$	<i>Irrational</i>	2.2360679 ...	2.2	2.24	2	2.24
12π	<i>Irrational</i>	37.699111 ...	37.7	37.70	40	37.7