

Rational Numbers Exit Quiz**Math 8****ANSWERS****Multiple choices**

1. Find a number that would satisfy these rules.

A number is rational, whole, an integer, and natural.

a.) $\sqrt{6}$

b.) $\sqrt{81}$

c.) $\sqrt{12}$

d.) $-\sqrt{2}$

2. Find a number that would satisfy these rules.

A number is rational, and integer.

a.) $-\sqrt{4}$

b.) $-\sqrt{21}$

c.) $\sqrt{82}$

d.) $-\sqrt{82}$

3. Find the natural numbers that fit between
- -3.4
- and
- 4.7
- .

a.) 1, 2, 3, 4

b.) $-3, -2, -1, 0, 1, 2, 3, 4$

c.) 0, 1, 2, 3, 4

d.) $-3, -2, -1, 0, 1, 2, 3,$

4. Classify these numbers as rational or irrational and give your reason.

Number	Rational/Irrational	Explanation
467	Rational	because this number is a natural, whole, integer
1.5432158941	Irrational	because the decimal does not repeat or terminate
$-2.515151 \dots$	Rational	because the decimal eventually repeats

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Math 8

5. Classify the numbers by writing them in the appropriate section of the Venn Diagram.

$\frac{1}{5}$, $\sqrt{21}$, 7, $\sqrt{8}$, -35, 0, $\sqrt{169}$, -26, $15.\bar{7}$, -123, $\frac{0}{7}$, $\frac{12}{4}$

