Rational Numbers Bell Work   Math 8

==ANSWERS==

1. Complete the following statements.

a. A ==rational number== is any number that can be written as a ratio of two integers.

b. ==Rational numbers== include fractions, terminating decimals, repeating decimals, integers, whole numbers and natural numbers.

c. ==Irrational numbers== include square roots that don't work out to be ratios (no perfect answers) and decimals that don't repeat but that never end.

2. Which of the following statements is correct?

a. The fraction $\frac{3}{-4}$ has denominator -4.   ==T==

b. The fraction $\frac{5}{8}$ has numerator **8.**   ==F==

c. $\sqrt{4}$ is rational because in standard form this number is 2 which is a   ==T==
natural, whole, integer.

Multiple Choices

3. Which of the following numbers is irrational?

a. $\sqrt{256}$

b. $\sqrt{100}$

c. ==$\sqrt{111}$==

d. $\sqrt{625}$

4. Which of the following numbers is a whole number?

a. $\dfrac{-8}{2}$

b. $\dfrac{8}{3}$

c. $\dfrac{1}{8}$

d. $\dfrac{8}{2}$

5. Which of the following numbers is an integer?

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a. $\dfrac{-12}{24}$

b. $\dfrac{-24}{12}$

c. $\dfrac{6}{3}$

d. $\dfrac{13}{5}$