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Application_Grade-7_Rational Numbers

# An Introduction to Rational Numbers

1. A number which can be expressed in the form a/b, where 'a' and 'b' are integers and _____ , are called rational numbers.

1. a) $b = 0$
2. b) $b \neq 0$

2. Is the following statement true or false?

Zero is a rational number.

1. a) TRUE
2. b) FALSE

3. Is the following statement true or false?

Every whole number is a rational number.

1. a) TRUE
2. b) FALSE

4. Is the following statement true or false?

Zero is a whole number but it is not a rational number.

1. a) TRUE
2. b) FALSE

5. Is the following statement true or false?

Every integer is a rational number.

1. a) TRUE
2. b) FALSE

6. Is the following statement true or false?

Every rational number is an integer.

1. a) TRUE
2. b) FALSE

7. Is the following statement true or false?

Every rational number is a fraction.

1. a) TRUE
2. b) FALSE

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8. _____ rational numbers are represented to the right of zero on the number line.

1. a) Positive
2. b) Negative

9. _____ rational numbers are represented to the left of zero on the number line.

1. a) Positive
2. b) Negative

10. Which is the following statements are true?

1. a) Every rational number is an integer.
2. b) Zero is a rational number.
3. c) Every rational number is a fraction.
4. d) Every integer is a rational number.

11. Which of the following rational numbers are positive?

1. a) -5/6
2. b) -3/-2
3. c) 5/7
4. d) 1/-2

12. Which of the following rational numbers are negative?

1. a) -2/7
2. b) -4/-5
3. c) 3/-9
4. d) 5/8

13. Which of the following rational numbers are positive?

1. a) 2/3
2. b) -5/11
3. c) 13/-7
4. d) -6/-15

14. Which of the following rational numbers are negative?

1. a) -7/15
2. b) 4/17
3. c) 6/19
4. d) 9/-13

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15. Which of the following rational numbers are negative?

1. a) 11/15
2. b) 12/-21
3. c) -23/15
4. d) 15/27