PEP Grade 7 Math — Unit 2: Real Numbers • Unit Test (Basic)

PEP · Grade 7 · Term 2 · Mathematics · Unit Test · Basic

AI-generated practice paper · original study aid, not an official examination paper · 40 questions · 100 points

Name: _____ Date: _____ Score: _____

Answer all questions. This paper is worth 100 points. Show your working where appropriate.

I. Multiple Choice

1. Which of the following numbers is an irrational number?
   A. 0.5
   B. 1/3
   C. $\sqrt{(4)}$
   D. $\sqrt{(2)}$

2. What is the value of $\sqrt{(81)}$?
   A. 6
   B. 7
   C. 8
   D. 9

3. Which of the following is equal to 1/4?
   A. 0.1
   B. 0.2
   C. 0.25
   D. 0.4

4. The number $-\sqrt{(16)}$ is best described as:
   A. a positive integer
   B. a negative integer
   C. a rational number
   D. an irrational number

5. Which expression represents a terminating decimal?
   A. 1/6
   B. 2/7
   C. 3/8
   D. 5/9

6. Between which two integers does $\sqrt{(10)}$ lie?
   A. 2 and 3
   B. 3 and 4
   C. 4 and 5
   D. 5 and 6

7. Which number is closest to $\sqrt{(50)}$?
   A. 6
   B. 7
   C. 8
   D. 9

8. If $x^2 = 25$, what are the possible values of x?
   A. 5 only
   B. -5 only
   C. 5 and -5
   D. 25

9. Which of the following is NOT a real number?
   A. 0
   B. $\sqrt{(-4)}$
   C. π
   D. 3.14

10. What is the decimal form of 2/5?
    A. 0.2
    B. 0.4
    C. 0.5
    D. 0.6