

TEST NAME: **8.NS.1, 2 Review**
TEST ID: **1034124**
GRADE: **08 - Eighth Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **Shared Classroom Assessments**

04/21/16, 8.NS.1, 2 Review

Student: _____

Class: _____

Date: _____

1. Which set of numbers are all irrational numbers?

A. $\{\pi, \sqrt{2}, \sqrt{9}\}$

B. $\{-3, \frac{-2}{7}, \sqrt{16}\}$

C. $\{\sqrt{8}, \sqrt{12}, \sqrt{17}\}$

D. $\{\sqrt{25}, \sqrt{36}, \sqrt{49}\}$

2. Which fraction is equivalent to $0.\overline{63}$?

A. $\frac{19}{300}$

B. $\frac{7}{110}$

C. $\frac{9}{13}$

D. $\frac{7}{11}$

3. Which fraction is equivalent to $1.\overline{2}$?

A. $\frac{13}{11}$

B. $\frac{12}{11}$

C. $\frac{12}{10}$

D. $\frac{11}{9}$

4. In which sets of numbers does -51 belong?

A. integer and rational

B. integer and whole

C. irrational and natural

D. whole and natural

5. In which set(s) of numbers does the real number 0 belong?

A. irrational only

B. rational, whole, and natural

C. rational, integer, and natural

D. rational, integer, and whole

6. Which choice is an irrational number?

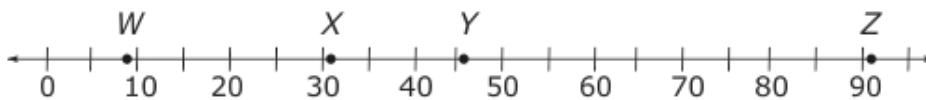
A. $\frac{1}{3}$

B. $0.\overline{11}$

C. $\sqrt{6}$

D. $-\sqrt{9}$

7. Which point is located at **approximately** $\sqrt{92}$ on the number line below?



A. W

B. X

C. Y

D. Z

8. What is the **approximate** difference between $\sqrt{120}$ and $\sqrt{80}$?

A. 2

B. 4

C. 20

D. 40

9. What is the **approximate** value of $\sqrt{24} + \sqrt{48}$?

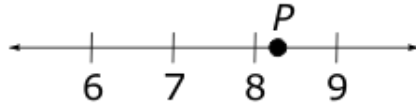
A. 8

B. 12

C. 18

D. 36

10. Which number is located at **approximately** point P on the number line below?



- A. $\sqrt{56}$
- B. $\sqrt{64}$
- C. $\sqrt{70}$
- D. $\sqrt{80}$
11. Which list of values is ordered from least to greatest?
- A. $\sqrt{13}$, $2.\bar{9}$, 4.5, 13
- B. $2.\bar{9}$, 4.5, 13, $\sqrt{13}$
- C. $2.\bar{9}$, 4.5, $\sqrt{13}$, 13
- D. $2.\bar{9}$, $\sqrt{13}$, 4.5, 13
12. Which list below shows numbers in order from least to greatest?
- A. $\sqrt{8}$, $\frac{9}{3}$, 2.4, $\sqrt{7}$
- B. 2.4, $\sqrt{7}$, $\frac{9}{3}$, $\sqrt{8}$
- C. 2.4, $\sqrt{7}$, $\sqrt{8}$, $\frac{9}{3}$
- D. $\sqrt{8}$, $\sqrt{7}$, $\frac{9}{3}$, 2.4

13. Samantha and her father are building a boat. They need a board that measures $\sqrt{51}$ inches wide. **About** how wide is this board, and to which number set does it belong?
- A. 7 inches, irrational numbers
 - B. 7 inches, rational numbers
 - C. 8 inches, irrational numbers
 - D. 8 inches, rational numbers
14. The value of $-\sqrt{17}$ is between which two consecutive integers?
- A. 4 and 5
 - B. 3 and 4
 - C. -4 and -5
 - D. -3 and -4
15. A square table has an area of 60 square feet. Between which two consecutive integers is the length of the table?
- A. 6 feet and 7 feet
 - B. 7 feet and 8 feet
 - C. 8 feet and 9 feet
 - D. 9 feet and 10 feet