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

   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 $\bar{}51$ 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?

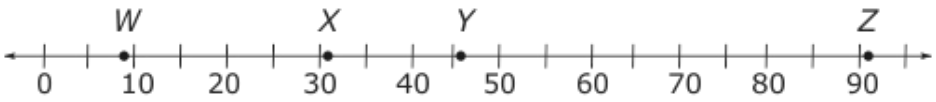
A. $\frac{1}{3}$

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 $\sqrt{24} + \sqrt{48}$?

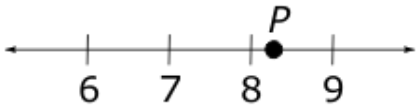
A. 8

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. $\sqrt{13}, 2.\overline{9}, 4.5, 13$

B. $2.\overline{9}, 4.5, 13, \sqrt{13}$

C. $2.\overline{9}, 4.5, \sqrt{13}, 13$

D. $2.\overline{9}, \sqrt{13}, 4.5, 13$

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 $\sqrt[3]{17}$ 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