The Number System Questions and Answers

1. Which answer is a solution to the inequality shown?
2. B. 2 C. D. 5
3. Order the numbers below from least to greatest.

7

1. , , 7,
2. , , , 7
3. , 7, ,
4. 7, , ,
5. Which number is irrational?
6. 1.6739 B. C. D.
7. Which number is rational?
8. B. C. -9 D. 2
9. Which number is an integer?
10. B. C. - D.
11. Which is a proper classification of -9.21?
12. Rational and negative
13. Irrational and decimal
14. Irrational and negative
15. Rational and integer
16. Which is a proper classification of -6.789……?
17. Rational and whole
18. Rational and integer
19. Irrational and integer
20. Irrational and real
21. Tori has a goal to practice gymnastics 5 hours a week. The table below shows her practice schedule. How much time will she be short of her goal?

|  |  |
| --- | --- |
| Day of the Week | Time Spent Practicing |
| Monday | of an hour |
| Tuesday | of an hour |
| Wednesday | 1 hour and 15 minutes |
| Thursday | 0.25 of an hour |

1. 3 hours B. 1 ½ hours C.2 hours D. 2 ½ hours
2. Nick and Anthony decided to paint the bonus room. Nick painted ¼ of the room and Anthony painted 0.4 of the room. What percent of the room was painted by Nick and Anthony?
3. 75% B. 65% C. 80% D. 18%
4. Which of the following answers describes the set of numbers that -64 belongs to?
5. Prime
6. Integers only
7. Irrational only
8. Both integers and rational
9. What is the distance between point A and B on the number line?

A



B

4.5

3.5

1. 2 units B. 7.25 units C. 1.25 units D. 5.5 units
2. Which is the largest number?
3. B. C. D.
4. Mrs. Smith is measuring her bathroom floor, and measures the width as feet. Approximately how many feet is the width of her bathroom?
5. 5 feet B. 4 feet C. 6.5 feet D. 5.5 feet
6. The eighth grade is selling tickets to a dance fundraiser. The tickets cost $10 each, the decorations cost $150 and the tickets cost $10 to print. How many tickets need to be sold to break even?
7. 15 B. 16 C. 10 D. 5
8. Which number is between 14 and 15?
9. B. C. D.
10. What is the approximate value of
11. 15.2 B. 16.7 C. 40.8 D. 20.5
12. Which number is between 17 and 18?
13. B. C. D.



1. Which letter represents?

A

B

D

C

1. Which number represents?
2. 0.5 B. 1.1 C. 1.1 D. 1
3. Which answer order the numbers from greatest to least?
4. 3.8, , ,
5. 3.8, ,
6. , , 3.8
7. 3.8, , ,

Answers:

1. D
2. A
3. B
4. C
5. A
6. D
7. D
8. C
9. B
10. D
11. C
12. C
13. A
14. B
15. A
16. D
17. D
18. A
19. D
20. B