First 9 Weeks Practice Test 2016

Short Answer

Combine like terms.

1. $7x + 7z - x - 2z + 2$

2. Simplify $3(5a - 3) + 2a$.

3. Solve $10z + 4 = 94$.

4. Solve $\frac{y}{2} + 2 = 13$.

5. Solve $4a + a = 25$.

Solve.

6. $-13 + q = 15$

7. $-3u = 24$

8. $\frac{r}{8} = -2$

9. Solve the following equation.
$y + 7.5 = -3.8$

10. Solve the following equation.
$.9p = 4.5$

11. Solve the following equation.
$\frac{t}{0.8} = 0.64$

12. Solve the following equation.
$x + \frac{1}{7} = \frac{3}{5}$

13. Solve the following equation.
$-\frac{1}{10}w = -\frac{2}{11}$

14. Solve $4(3x + 5) - 3x = 65$.

15. Name all the sets of the real numbers to which -6 belongs.
(Natural, Whole, Integer, Rational or Irrational).

16. Put a <, >, = in between the numbers to make a true statement.
$\frac{1}{8}$ O $\frac{2}{17}$

17. Put a <, >, = in between the numbers to make a true statement.
$3.3\bar{5}$ O 3.35

18. What is the value of |5|

19. Which property is illustrated: (5+2)+3 = 5+(2+3)

20. Which property is illustrated: (5+2)+3 = 3+(5+2)

21. A box of rotini noodles contains 7 servings. If you eat $\frac{3}{4}$ of the recommended serving as a meal, how many complete meals can you get from one box?

22. A candle was originally $2\frac{6}{7}$ inches tall. After burning awhile, it is now $2\frac{3}{5}$ inches. How much did it burn?

23. In 2002, the temperature on the first day of summer was 89°F. This is 11°F less than it was the previous year on the first day of summer. What was the temperature on the first day of summer in 2001?

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Answer Section

SHORT ANSWER

1. $6x + 5z + 2$
2. $17a - 9$
3. $z = 9$
4. $y = 22$
5. $a = 5$
6. 28
7. –8
8. –16
9. –11.3
10. 5
11. ~~0.648~~ .512
12. $\frac{16}{35}$
13. $\frac{20}{11}$
14. x = 5
15. Integer, Rational
16. >
17. >
18. 5
19. associative
20. commutative
21. 9
22. $\frac{9}{35}$ inches
23. In 2001, the temperature was 100°F.