Properties Of Numbers Problems

Underline and Circle where necessary!!

1. Identify the property of numbers shown in the expression below, and state its rule.

   Expression: $z + 0 = z$

2. Identify the property of numbers shown in the expression below, and state its rule.

   Expression: $(1 + 1) + 2 = 1 + (1 + 2)$

3. Identify the property of numbers shown in the expression below, and state its rule.

   Expression: $(c + x) + a = c + (x + a)$

4. Identify the property of numbers shown in the expression below, and state its rule.

   Expression: $c + (-c) = 0$

5. Identify the property of numbers shown in the expression below, and state its rule.

   Expression: $x + z = z + x$

6. Identify the property of numbers shown in the expression below, and state its rule.

   Expression: $c + 0 = c$

7. Identify the property of numbers shown in the expression below, and state its rule.

   Expression: $c \cdot x = x \cdot c$

8. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $2 + (-2) = 0$

9. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $6 \cdot 10 = 10 \cdot 6$

10. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $a \cdot y = y \cdot a$

11. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $(3 \cdot 8) \cdot 9 = 3 \cdot (8 \cdot 9)$

12. Identify the property of numbers shown in the expression below, and state its rule.

    Expression: $5(3 + 9) = 5 \cdot 3 + 5 \cdot 9$

13. Identify the property of numbers shown in the expression below, and state its rule.

    Expression: $9 \cdot 1 = 9$

14. Identify the property of numbers shown in the expression below, and state its rule.

    Expression: $y + 0 = y$

15. Identify the property of numbers shown in the expression below, and state its rule.

    Expression: $(9 + 7) + 1 = 9 + (7 + 1)$

16. Identify the property of numbers shown in the expression below, and state its rule.

    Expression: $(10 + 9) + 9 = 10 + (9 + 9)$

17. Identify the property of numbers shown in the expression below, and state its rule.

    Expression: $3 + 0 = 3$

18. Identify the property of numbers shown in the expression below, and state its rule.

    Expression: $2 \cdot 8 = 8 \cdot 2$

19. Identify the property of numbers shown in the expression below, and state its rule.

    Expression: $2 \cdot 0 = 0$

20. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $(y + b) + a = y + (b + a)$

21. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $(9 \cdot 4) \cdot 8 = 9 \cdot (4 \cdot 8)$

22. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $(a \cdot y) \cdot x = a \cdot (y \cdot x)$

23. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $(4 + 6) + 2 = 4 + (6 + 2)$

24. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $4 \cdot \frac{1}{4} = 1$

25. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $3 + 0 = 3$

26. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $8 + 5 = 5 + 8$

27. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $z + x = x + z$

28. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $b + (-b) = 0$

29. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $9(10 + 1) = 9 \cdot 10 + 9 \cdot 1$

30. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $b \cdot y = y \cdot b$

31. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $1 \cdot 9 = 9 \cdot 1$

32. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $9 \cdot 1 = 9$

33. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $c + (-c) = 0$

34. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $9 + 0 = 9$

35. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $a \cdot 0 = 0$

36. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $9 + (-9) = 0$

37. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $5 + 0 = 5$

38. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $c \cdot 0 = 0$

39. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $y + b = b + y$

40. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $y + 0 = y$

41. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $(6 + 5) + 10 = 6 + (5 + 10)$

42. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $1 \cdot 1 = 1$

43. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $3 + 0 = 3$

44. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $7(6+6) = 7 \cdot 6 + 7 \cdot 6$

45. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $y + b = b + y$

46. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $z(a+x) = z \cdot a + z \cdot x$

47. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $(y \cdot a) \cdot c = y \cdot (a \cdot c)$

48. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $6(3+8) = 6 \cdot 3 + 6 \cdot 8$

49. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $y \cdot \frac{1}{y} = 1$

50. Identify the property of numbers shown in the expression below, and state its rule.

Expression: $x \cdot 0 = 0$