Brilliance Tuition Centre, Redbank Plains

MATHS WORKSHEETS-ALGEBRA- WORDS AND SYMBOLS

Find the variable in each of the following mathematical statements:

1. 13 + a
2. 15a + 4a
3. 6 – t + 5
4. 9 – a + 8
5. 5s + 2
6. 4b + 6b
7. 7 – y + 5
8. 20p + 8p
9. 5y + 8
10. 9 – a + 8

True/ False: The value of the variable can be ANY NUMBER for each of these algebraic expressions:

11. 6y = 42
12. 16 ÷ q = 2
13. 32- 2y = 16
14. 15r =
15. 100 ÷ t = 50
16. 6y + 10=
17. 5 + y =
18. 25 ÷ y = 5
19. 10 y + 8 =
20. 5t + 9=

Find the value of the variable in each of these mathematical statements:

21. If y = 7, what is the value of 10y + 5?
22. If t = 4, what is the value of 5t + 10?
23. If y = 3, what is the value of 12- y?
24. If p = 5, what is the value of 6p?
25. If m = 3, what is the value of 30 ÷ m?
26. If g = 6, what is the value of 2 + 6g?
27. If t = 7, what is the value of 6t + 5?
28. If p = 5, what is the value of 20p + 8p?

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29. If a = 2, what is the value of 19 – a8?

30. If s = 5, what is the value of 5s + 3?

Write down the value of the variable

31. 5 + y= 20

32. 15- m = 10

33. 30 ÷ y = 3

34. 12p =36

35. 13 y = 26

36. 25- p = 10

37. 3 x 4t = 24

38. 5 x 3t= 30

39. 3 y x 5= 30

40. 4m = 20

41. 56 ÷ p = 7

42. 2p + 8p = 100

43. 20 – 8a = 4

44. 5m = 60

45. 3 x 12 y = 360

46. 10 y + 5 = 45

47. 4 y + 10 = 22

48. 30- 4t = 10

49. 3 x 7 + y = 25

50. 5t = 40

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Answer Key:

1. a
2. a
3. t
4. a
5. s
6. b
7. y
8. p
9. y
10. a
11. False
12. False
13. False
14. True
15. False
16. True
17. True
18. False
19. True
20. True
21. 75
22. 30
23. 9
24. 30
25. 10
26. 38
27. 47
28. 140
29. 3
30. 28
31. 15
32. 5
33. 10
34. 3
35. 2
36. 15
37. 2
38. 2
39. 2
40. 5
41. 8
42. 10
43. 2
44. 12
45. 10
46. 4
47. 3
48. 5
49. 4
50. 8