**Test 20 Rechnen mit Variablen Lösungen**

1. 2€ + 3€ = **5€**
2. 3a + 5a = **8a**
3. 2 b + 4b – b = **5b**
4. 3a + 2b + e + a + 2b = **4a + 4b + e**
5. 4z – 3a -5z + 4a = **a - z**
6. a ∙ a = **a²**
7. 3a² + 4a²= **7a²**
8. 3a² ∙ 4a² = 12**a4**
9. 16a + 5a - **11**a = 10a
10. 5a ∙ 3b = **15ab**
11. 3x + 2y = **3x + 2y**
12. 3x + 7 = 16 x = \_3\_\_\_
 **3x = 9
 x = 3**
13. 4x + 2 = 18 x =\_**4**
 **4x = 16
 x = 4**
14. 5x – 3 = 22 x = **5**
 **5x = 25
 x = 5**
15. 2x + 3x = 30 x = **6**
 **5x = 30
 x = 6**
16. $\frac{12x}{3}$ = 12 x = **3** **4x = 12
 x = 3**
17. $\frac{5x}{7}$ = 5 x = **7**
 **5x = 35
 x = 7**
18. 3x + 4 = x + 8 x = **2**
 **2x = 4
 x = 2**
19. 2( x + 3) = 4x -2 x = **4**
 **2x + 6 = 4x - 2
 8 = 2x
 4 = x**
20. 3x + 2b + b = 27 + 3b x= **9**

 **3x + 3b = 27 + 3b
 3x = 27
 x = 9**