

Name:

Datum:

Termumformungen II - Vereinfachen einer Summe gleichartiger Summanden - Klapptest 3

Falte zuerst das Blatt entlang der Linie.

Löse dann die Aufgaben.

Kontrolliere anschließend die Ergebnisse.

Notiere zum Schluss die Anzahl der richtigen Aufgaben.

Vereinfache den Term!

1. $(x+c)^3+(x+c)^3+(x+c)^3+(x+c)^3 = 4(x+c)^3$
2. $x^3(b+2a)^5+ x^3(b+2a)^5+ x^3(b+2a)^5 = 3x^3(b+2a)^5$
3. $a^6b^6+a^6b^6+a^6b^6+a^6b^6+a^6b^6+a^6b^6 = 6a^6b^6$
4. $f^5(y+1,5s)^3+f^5(y+1,5s)^3+f^5(y+1,5s)^3 = 3f^5(y+1,5s)^3$
5. $m^4(x-2)^5+m^4(x-2)^5+m^4(x-2)^5+m^4(x-2)^5 = 4m^4(x-2)^5$
6. $d^3(a+b)^8+d^3(a+b)^8 = 2d^3(a+b)^8$
7. $c^3v^7(w-1)^5+c^3v^7(w-1)^5+c^3v^7(w-1)^5 = 3c^3v^7(w-1)^5$
8. $-b^3(b-4)^4-b^3(b-4)^4-b^3(b-4)^4-b^3(b-4)^4 = 4 \cdot (-b^3(b-4)^4) = -4b^3(b-4)^4$
9. $f^6(g+h)^4+f^6(g+h)^4+f^6(g+h)^4+f^6(g+h)^4 = 4f^6(g+h)^4$
10. $m^5(m-1)^5+m^5(m-1)^5+m^5(m-1)^5 = 3m^5(m-1)^5$
11. $-h^6k^6-h^6k^6-h^6k^6-h^6k^6-h^6k^6-h^6k^6 = 7 \cdot (-h^6k^6) = -7h^6k^6$
12. $-(i+1)^6-(i+1)^6-(i+1)^6-(i+1)^6-(i+1)^6 = 7 \cdot (-(i+1)^6) = -7(i+1)^6$
13. $c^{10}+c^{10}+c^{10}+c^{10}+c^{10} = 5c^{10}$
14. $-v(v+w)^9-v(v+w)^9-v(v+w)^9 = 3 \cdot (-v(v+w)^9) = -3v(v+w)^9$
15. $+eq^3(2x-1)^4+eq^3(2x-1)^4+eq^3(2x-1)^4 = 3eq^3(2x-1)^4$
16. $-s^3(2+r)^5-s^3(2+r)^5-s^3(2+r)^5-s^3(2+r)^5 = 4 \cdot (-s^3(2+r)^5) = -4s^3(2+r)^5$
17. $ip(p+q)^4+ip(p+q)^4+ip(p+q)^4 = 3ip(p+q)^4$
18. $-e^5(1+6t)^3-e^5(1+6t)^3 = 2 \cdot (-e^5(1+6t)^3) = -2e^5(1+6t)^3$
19. $a^3m^3(a+m)^3+a^3m^3(a+m)^3 = 2a^3m^3(a+m)^3$
20. $g^6(5-g)^5+g^6(5-g)^5+g^6(5-g)^5+g^6(5-g)^5 = 4g^6(5-g)^5$