

Name:

Datum:

## Lineare Gleichungen - Lösen in drei Schritten - Klapptest 1

Falte zuerst das Blatt entlang der Linie.

Löse dann die Aufgaben.

Kontrolliere anschließend die Ergebnisse.

Notiere zum Schluss die Anzahl der richtigen Aufgaben.



Bestimme jeweils die Lösungsmenge der Gleichung.

- |     |                                       |     |                        |
|-----|---------------------------------------|-----|------------------------|
| 1.  | $6x + 2 = 6 + 5x$                     | L = | L = {4}                |
| 2.  | $\frac{1}{2}x - 1 = 5 - \frac{1}{2}x$ | L = | L = {6}                |
| 3.  | $5b - 2 = 4b + 1$                     | L = | L = {3}                |
| 4.  | $6h - 3 = 5h + 9$                     | L = | L = {12}               |
| 5.  | $5x - 36 = 22 + 4x$                   | L = | L = {58}               |
| 6.  | $7y - 42 = 6y + 12$                   | L = | L = {54}               |
| 7.  | $16 + 9r = 8r + 18$                   | L = | L = {2}                |
| 8.  | $24 - 3w = 26 - 4w$                   | L = | L = {2}                |
| 9.  | $3 + u = 3u - 5$                      | L = | L = {4}                |
| 10. | $38x + 2 = 24x + 100$                 | L = | L = {7}                |
| 11. | $7k + 8 = 10 + 3k$                    | L = | L = $\{\frac{1}{2}\}$  |
| 12. | $17t + 30 = 190 - 15t$                | L = | L = {5}                |
| 13. | $51 + 13a = 65 - 8a$                  | L = | L = $\{\frac{2}{3}\}$  |
| 14. | $26 - x = 34 - 3x$                    | L = | L = {4}                |
| 15. | $9 + 4z = 12z - 7$                    | L = | L = {2}                |
| 16. | $85 - 5q = 6q + 79$                   | L = | L = $\{\frac{6}{11}\}$ |
| 17. | $166 - 9y = 12 + 5y$                  | L = | L = {11}               |
| 18. | $114 - 13m = 66 - 7m$                 | L = | L = {8}                |
| 19. | $1,2 + 0,5x = 2,3 - 0,6x$             | L = | L = {1}                |
| 20. | $0,35s + 1,4 = 2,9 - 0,15s$           | L = | L = {3}                |

/ 20

