

**Ekvationer (I)**

Lös ekvationerna med huvudräkning.

1 a)  $3x = 27$

$x = \underline{\hspace{2cm}}$

b)  $y - 7 = 17$

$y = \underline{\hspace{2cm}}$

c)  $\frac{z}{5} = 4$

$z = \underline{\hspace{2cm}}$

2 a)  $12 - y = 3$

$y = \underline{\hspace{2cm}}$

b)  $\frac{12}{z} = 2$

$z = \underline{\hspace{2cm}}$

c)  $7x - x = 18$

$x = \underline{\hspace{2cm}}$

3 a)  $5z = 0$

$z = \underline{\hspace{2cm}}$

b)  $x + 9x = 70$

$x = \underline{\hspace{2cm}}$

c)  $y \cdot y \cdot y = 8$

$y = \underline{\hspace{2cm}}$

4 a)  $10x = 130$

$x = \underline{\hspace{2cm}}$

b)  $100 - 2y = 0$

$y = \underline{\hspace{2cm}}$

c)  $10,5 = z + 2,5$

$z = \underline{\hspace{2cm}}$

5 a)  $\frac{y}{3} + 5 = 7$

$y = \underline{\hspace{2cm}}$

b)  $2z - 1 = 9$

$z = \underline{\hspace{2cm}}$

c)  $\frac{2x}{3} = 6$

$x = \underline{\hspace{2cm}}$

6 a)  $100z = 250$

$z = \underline{\hspace{2cm}}$

b)  $\frac{x}{100} = 0,8$

$x = \underline{\hspace{2cm}}$

c)  $10 - 3y = 1$

$y = \underline{\hspace{2cm}}$

7 a)  $7x + 3x = 75$

$x = \underline{\hspace{2cm}}$

b)  $\frac{24}{y+1} = 3$

$y = \underline{\hspace{2cm}}$

c)  $7z + 5 = 40$

$z = \underline{\hspace{2cm}}$

8 a)  $0,1 \cdot y = 1$

$y = \underline{\hspace{2cm}}$

b)  $2z = z + 3$

$z = \underline{\hspace{2cm}}$

c)  $\frac{x+3}{4} = 3$

$x = \underline{\hspace{2cm}}$

9 a)  $\frac{10z}{3} = 20$

$z = \underline{\hspace{2cm}}$

b)  $11x - 2x = 900$

$x = \underline{\hspace{2cm}}$

c)  $\frac{40}{y-1} = 5$

$y = \underline{\hspace{2cm}}$

10 a)  $3x + 2 = x + 10$

$x = \underline{\hspace{2cm}}$

b)  $0,02 \cdot y = 4$

$y = \underline{\hspace{2cm}}$

c)  $3z + 2 = z + 2$

$z = \underline{\hspace{2cm}}$

## Ekvationer (I)

## FACIT

1 a)  $x = 9$

b)  $y = 24$

c)  $z = 20$

2 a)  $y = 9$

b)  $z = 6$

c)  $x = 3$

3 a)  $z = 0$

b)  $x = 7$

c)  $y = 2$

4 a)  $x = 13$

b)  $y = 50$

c)  $z = 8$

5 a)  $y = 6$

b)  $z = 5$

c)  $x = 9$

6 a)  $z = 2,5$

b)  $x = 80$

c)  $y = 3$

7 a)  $x = 7,5$

b)  $y = 7$

c)  $z = 5$

8 a)  $y = 10$

b)  $z = 3$

c)  $x = 9$

9 a)  $z = 6$

b)  $x = 100$

c)  $y = 9$

10 a)  $x = 4$

b)  $y = 200$

c)  $z = 0$