

Reducere simple udtryk del 1

Udfyld som vist i eksempel:

Skriv **R**, hvis det er rigtigt, og **F**, hvis det er forkert.

Eksempler:

$$20 - 5 + 4 = 20 - 9 \quad \underline{\text{F}}$$

$$20 - 5 + 4 = 15 + 4 \quad \underline{\text{R}}$$

$$2x - y - x = x - y \quad \underline{\text{R}}$$

$$2x - y - x = 3x - y \quad \underline{\text{F}}$$

Udfyld:

$$4a + 3b - a + b = 3a + 4b \quad \underline{\hspace{2cm}}$$

$$4a + 3b - a + b = 3a + 2b \quad \underline{\hspace{2cm}}$$

$$3u - v + 2u = u - v \quad \underline{\hspace{2cm}}$$

$$3u - v + 2u = 5u - v \quad \underline{\hspace{2cm}}$$

$$5 - 3 + 1 = 1 \quad \underline{\hspace{2cm}}$$

$$5 - 3 + 1 = 6 \quad \underline{\hspace{2cm}}$$

Eksempler:

$$3 + 2x - x = 5x - x \quad \underline{\text{F}}$$

$$3 + 2x - x = 3 + x \quad \underline{\text{R}}$$

Udfyld:

$$12 - 5a + 2 = 14 - 5a \quad \underline{\hspace{2cm}}$$

$$12 - 5a + 2 = 7a + 2 \quad \underline{\hspace{2cm}}$$

Eksempel:

$$\begin{aligned} 3 - a + 5 + 3b + 2a + 6a &= \\ 3 + 5 - a + 2a + 6a + 3b &= \\ 8 + 7a + 3b & \end{aligned}$$

Udfyld:

$$4x + 4 - 3x - 6x - 5 + 6 = \underline{\hspace{2cm}} =$$

$$5u + 3v + v + 4u - u - v = \underline{\hspace{2cm}} =$$

Eksempel: minus foran parentes

$$\begin{aligned} &7 - (4 - 2x) \\ &= 7 - (+4 - 2x) \quad \text{grønt fjernes} \\ &= 7 - 4 + 2x \quad \text{rødt ændres} \\ &= 3 + 2x \end{aligned}$$

Udfyld:

$$\begin{aligned} &5a - (2a - 4) \\ &= \underline{\hspace{2cm}} \\ &= \underline{\hspace{2cm}} \\ &= \underline{\hspace{2cm}} \end{aligned}$$

Eksempel: plus foran parentes

$$\begin{aligned} &7 + (4 - 2x) \\ &= 7 + (+4 - 2x) \quad \text{grønt fjernes} \\ &= 7 + 4 - 2x \quad \text{+ og - i parentes bevares} \\ &= 11 - 2x \end{aligned}$$

Udfyld:

$$\begin{aligned} &8u + (3v - 4u) \\ &= \underline{\hspace{2cm}} \\ &= \underline{\hspace{2cm}} \\ &= \underline{\hspace{2cm}} \end{aligned}$$

Udfyld:

$$\begin{aligned} &3a + (4 - 2a) - (6 - 7a) \\ &= \underline{\hspace{2cm}} \\ &= \underline{\hspace{2cm}} \\ &= \underline{\hspace{2cm}} \end{aligned}$$