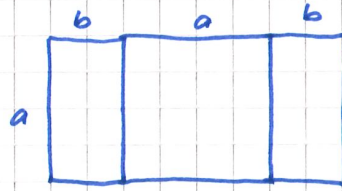
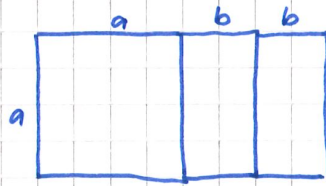
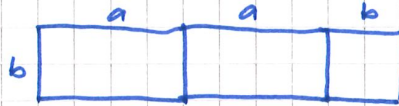


1.

a.)



1 ①



1 ②

④

b.)

①

$$u = \underline{\underline{4a + 4b}} \quad \text{''}$$

$$A = \underline{\underline{a^2 + 2ab}} \quad \text{''}$$

②

$$u = \underline{\underline{4a + 4b}} \quad \text{''}$$

$$A = \underline{\underline{b^2 + 2ab}} \quad \text{''}$$

2.

Figur 1:

$$u = \underline{\underline{4a + 4b}} \quad \text{''}$$

$$A = \underline{\underline{a^2 + ab + b^2}} \quad \text{''}$$

Figur 2:

$$u = \underline{\underline{4a + 4b}} \quad \text{''}$$

$$A = \underline{\underline{a^2 + 2ab}} \quad \text{''}$$

Figur 3:

$$u = \underline{\underline{4a + 4b}} \quad \text{''}$$

$$A = \underline{\underline{a^2 + 2ab + b^2}} \quad \text{''}$$

⑤

Figur 4:

$$u = \underline{\underline{4a + 4b}} \quad \text{''}$$

$$A = \underline{\underline{a^2 + 2ab}} \quad \text{''}$$

Figur 5:

$$u = \underline{\underline{4a + 4b}} \quad \text{''}$$

$$A = \underline{\underline{b^2 + 2ab}} \quad \text{''}$$

3.

$$\begin{aligned} A &= (a+b+c)^2 - a \cdot b - a \cdot c - c^2 \\ &= ((2+3+4)^2 - 2 \cdot 3 - 2 \cdot 4 - 4^2) \text{ cm}^2 \\ &= (81 - 6 - 8 - 16) \text{ cm}^2 \\ &= \underline{\underline{51 \text{ cm}^2}} \end{aligned}$$

(2)

4.

a.) $\underline{\underline{11a}} \frac{1}{2}$

b.) $\underline{\underline{11a^2}} \frac{1}{2}$

c.) $\underline{\underline{3a + 8b}} \frac{1}{2}$

d.) $\underline{\underline{a + 2b}} \frac{1}{2}$

e.) $\underline{\underline{x - 1}} \frac{1}{2}$

f.) $\underline{\underline{-x + 3}} \frac{1}{2}$

g.) $\underline{\underline{2x - 10}} \frac{1}{2}$

h.) $xy - 2x - 2xy - y = \underline{\underline{-xy - 2x - y}} \frac{1}{2}$

i.) $9x - 6x - 4y + 8y + 7x = \underline{\underline{10x + 4y}} \frac{1}{2}$

j.) $25x - 40y - 32x + 40y = \underline{\underline{-7x}} \frac{1}{2}$

k.) $5b - 4b - 3b + 2a - a = \underline{\underline{a - 2b}} \frac{1}{2}$

l.) $17s + 13r - 7r + 11s - 28s = \underline{\underline{6r}} \frac{1}{2}$

17 Pkte