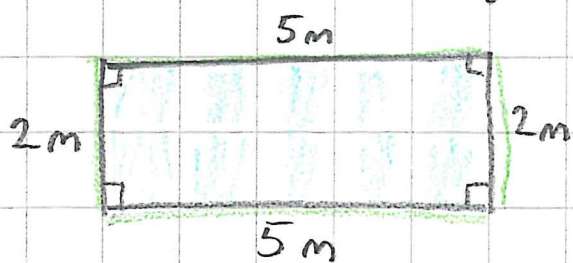


s. 130 Muuttujalauseke

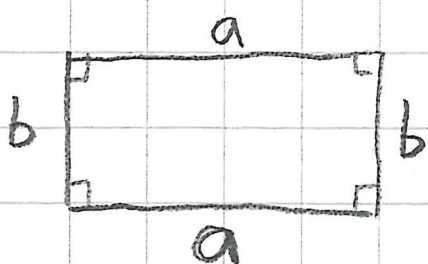


(piiri) $p = 5m + 2m + 5m + 2m = 14m$

(pinta-ala) $A = 5m \cdot 2m = 10m^2$

$$m + m = 2m$$

$$m \cdot m = m^2$$



$$p = a + a + b + b$$

$$= 2 \cdot a + 2 \cdot b$$

$$= 2a + 2b$$

lauseke

$$2\text{€} + 3\text{\$}$$

$$2\text{€} + 3\text{€} = 5\text{€}$$

esim,

$$x + 3$$

↑
muuttuja

↑
vakio

Sievennä: $2 \cdot x = 2x$

$$a \cdot 5 = 5a$$

$$3 \cdot x \cdot 2 \cdot a = 6ax$$

$$1 \cdot x = x$$

$$1 \cdot x = x$$

$$-1 \cdot x = -x$$

$$0 \cdot x = 0$$

$$x \cdot y = xy$$

$$x \cdot x = x^2$$

S.131

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Sievenmä

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a) $6 \cdot x = 6x$

b) $a \cdot 5 = 5a$

c) $3 \cdot a + 7 \cdot b = 3a + 7b$

d) $1 \cdot x = x$

e) $-5 \cdot c = -5c$

f) $1y = y$

g) $2 \cdot a \cdot b = 2ab$

h) $c \cdot (-9) \cdot d = -9cd$

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a) $5 \cdot a = 5a$ Sievenmä

b) $2 \cdot 6 \cdot x = 12x$

c) $x \cdot z \cdot (-4) = -4xz$

d) $-1 \cdot c \cdot d = -cd$

e) $-2 \cdot x \cdot (-3) = 6x$

f) $5 \cdot 4 \cdot (-z) = -20z$

g) $3 \cdot x + 6 \cdot y = 3x + 6y$

h) $5 \cdot c - 6 = 5c - 6$

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kirjoita kertolaskuna

a) $2 + 2 + 2 + 2 = 4 \cdot 2 = 8$

b) $k + k + k + k + k + k = 6 \cdot k = 6k$

c) $m + m + m = 3 \cdot m = 3m$

d) $c + c + d + d + d = 2 \cdot c + 3 \cdot d = 2c + 3d$