

2.3.2. Dreptunghiul

1/121.

$$P_1 + P_2 = 3228 \text{ m}$$

$$P_2 = P_1 : 2 \Rightarrow P_1 = 2 \times P_2$$

$$2 \times P_2 + P_2 = 3228$$

$$3 \times P_2 = 3228$$

$$P_2 = 3228 : 3 = 1076 \text{ m}$$

$$l_2 = 1076 : 4 = 269 \text{ m}$$

$$l_1 = 2 \times l_2 = 2 \times 269 = 538 \text{ m}$$

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$$l = 129 \text{ m}$$

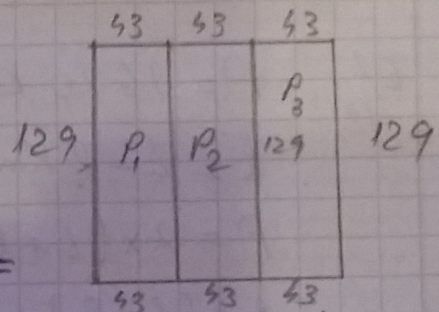
$$129 : 3 = 43 \text{ m}$$

$$P_1 = P_2 = P_3$$

$$P_1 = 2 \times (L + l) = 2 \times (129 + 43) =$$

$$= 2 \times 172 = 344 \text{ m. are primul dreptunghi.}$$

$$P_1 = P_2 = P_3 = 344 \text{ m. fiecare.}$$

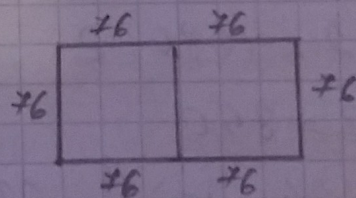


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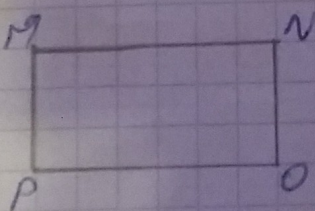
$$l = 76 \text{ m}$$

$$76 \times 6 = 456 \text{ m}$$

a folosit de gard



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vârfurile: M, N, O, P

laturile: MN; NO; OP; PM

diagonalele: MO; PN

$$5/121 \quad P = 1276 \times 2$$

$$L = 3 \times l$$

$$P = 2 \times (L + l)$$

$$2 \times (L + l) = 2552$$

$$L + l = 2552 : 2$$

$$L + l = 1276$$

$$3 \times l + l = 1276$$

$$4 \times l = 1276$$

$$l = 1276 : 4 = 319 \text{ m}$$

$$L = 3 \times l = 3 \times 319 = 957 \text{ m}$$

$$6/121 \quad P = 1680 \text{ Km}$$

$$l = L - 2 \text{ Km} \Rightarrow L = l + 2$$

$$P = 2 \times (L + l)$$

$$2 \times (L + l) = 1680$$

$$2 \times (l + 2 + l) = 1680$$

$$2 \times (2l + 2) = 1680$$

$$2l + 2 = 1680 : 2$$

$$2l + 2 = 840$$

$$2l = 840 - 2 \Rightarrow l = 838 : 2 = 419 \text{ Km}$$

$$L = 419 + 2 = 421 \text{ Km}$$

atau

$$P = 1680 \text{ Km}$$

$$l = L - 2 \text{ Km}$$

$$2 \times (L + l) = 1680$$

$$2 \times (L + L - 2) = 1680$$

$$2L - 2 = 1680 : 2$$

$$2L = 840 + 2 = 842$$

$$L = 842 : 2 = 421 \text{ Km}$$

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$$P = 126 \text{ m}$$

$$L = \frac{2}{6} \text{ din } 126 \Rightarrow L = 126 : 6 \times 2 = 21 \times 2 = 42 \text{ m}$$

$$P = 2 \times (L + l)$$

$$126 = 2 \times (42 + l)$$

$$42 + l = 126 : 2$$

$$42 + l = 63 \Rightarrow l = 63 - 42 = 21 \text{ m}$$

8/121

$$L = 18 \text{ cm}$$

$$l = L : 2 = 18 : 2 = 9 \text{ cm}$$

$$P = 2 \times (L + l) = 2 \times (18 + 9) = 2 \times 27 = 54 \text{ cm}$$

9/122

$$P = 72 \text{ cm}$$

$$L = 3 \times l$$

$$P = 2 \times (L + l)$$

$$2 \times (L + l) = 72$$

$$2 \times (3 \times l + l) = 72$$

$$4 \times l = 72 : 2$$

$$4 \times l = 36 \Rightarrow l = 36 : 4 = 9 \text{ cm}$$

$$L = 3 \times 9 = 27 \text{ cm}$$

10/122

$$L = 45 \text{ cm}$$

$$l = \frac{2}{5} \text{ din } 45 \Rightarrow l = 45 : 5 \times 2 = 9 \times 2 = 18 \text{ cm}$$

$$P = 2 \times (L + l) = 2 \times (45 + 18) = 2 \times 63 = 126 \text{ cm}$$

11/122

$$L = 84 \text{ mm}$$

$$l = \frac{3}{4} \text{ din } 84 \Rightarrow l = 84 : 4 \times 3 = 21 \times 3 = 63 \text{ mm}$$

$$P = 2 \times (L + l) = 2 \times (84 + 63) = 2 \times 147 = 294 \text{ m}$$

$294 \times 3 = 882 \text{ m}$ de sârmă sunt necesari