

24.03.2020v. - opowiedzi

1/250

D

2/250

D

$$12:3 = 4$$

4 śiany boczne + 2 podstawy

3/250

B

$$14 + 1 = 15$$

4/250

D

5/251

C.

$$V = P_p \cdot H$$

$$1 \text{ dm}^3 = 1 \text{ l} = 1000 \text{ cm}^3$$

$$V = 12,5 \cdot 18 = 225 \text{ cm}^3 = 0,225 \text{ dm}^3 = 0,225 \text{ l}$$

6/251

A.

$$\frac{3}{5} \cdot 30 = 18 \text{ l}$$

7/251

D.

$$x^2 + 7,5^2 = 12,5^2$$

$$12,5^2 - 7,5^2 = x^2$$

$$156,25 - 56,25 = x^2$$

$$x^2 = 100 \quad | \sqrt{\quad}$$

$$x = 10$$

$$P_p = \frac{10 \cdot 7,5}{2} = 37,5$$

$$V = 37,5 \cdot 16 = \underline{600 \text{ cm}^3}$$

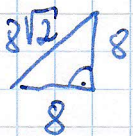
8/251 C.

$$P_b = 16 \cdot 7,5 + 16 \cdot 12,5 + 16 \cdot 10 =$$

$$= 120 + 200 + 160 = \underline{480 \text{ cm}^2}$$

9/251

C.



$$P_p = \frac{8 \cdot 8}{2} = 32 \text{ cm}^2$$

$$V = \frac{1}{3} \cdot P_p \cdot H$$

$$224 = \frac{32 \cdot H}{3} \quad | \cdot 3$$

$$672 = 32 \cdot H \quad | : 32$$

$$\underline{H = 21}$$

10/251

D.

$$P_C = P_p + P_b$$

$$P_C = 4P_{\Delta}$$

$$P_C = 4 \cdot \frac{7^2 \sqrt{3}}{4} = 4 \cdot \frac{49 \sqrt{3}}{4} = \underline{49 \sqrt{3} \text{ cm}^2}$$

Czworościan foremny (to cztery trójkąty równoboczne)

20/253

$$200 \text{ cm} \times 200 \text{ cm} \times 40 \text{ cm} = 2 \text{ m} \times 2 \text{ m} \times 0,4 \text{ m} =$$

$$40 \cdot \frac{3}{4} = 30 \text{ cm}$$

$$2 \text{ m} \times 2 \text{ m} \times 0,3 \text{ m} = 1,2 \text{ m}^3$$

$$1 \text{ m}^3 - 1500 \text{ kg}$$

$$\underline{1,2 \text{ m}^3 - x}$$

$$x = 1800 \text{ kg} = 1,8 \text{ t}$$

$$1 \text{ t} = 1000 \text{ kg}$$