

Вентилятор

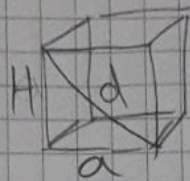
19.01.2020.

276.  $B = 36 \text{ cm}^2$

$$d = 10 \text{ cm}$$

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$$P - ? \quad V - ?$$



$$B = a^2$$

$$a = \sqrt{B} = \sqrt{36 \text{ cm}^2}$$

$$a = 6 \text{ cm}$$

$$a^2 + H^2 = d^2$$

$$H^2 = d^2 - a^2$$

$$H^2 = 100 \text{ cm}^2 - 36 \text{ cm}^2$$

$$H^2 = 64 \text{ cm}^2$$

$$H = 8 \text{ cm}$$

$$M = 4aH = 4 \cdot 6 \text{ cm} \cdot 8 \text{ cm}$$

$$M = 192 \text{ cm}^2$$

$$P = 2B + M = 2 \cdot 36 \text{ cm}^2 + 192 \text{ cm}^2 = 72 \text{ cm}^2 + 192 \text{ cm}^2$$

$$P = 264 \text{ cm}^2$$

$$V = a^2 H = (6 \text{ cm})^2 \cdot 8 \text{ cm}$$

$$V = 36 \text{ cm}^2 \cdot 8 \text{ cm}$$

$$V = 288 \text{ cm}^3$$



$$291. \quad V = 250\sqrt{3} \text{ cm}^3$$

$$B = 25\sqrt{3} \text{ cm}^2$$

$$P = ?$$
$$B = \frac{a^2\sqrt{3}}{4}$$

$$\frac{25\sqrt{3}}{1 \cdot 4} = \frac{a^2\sqrt{3}}{4}$$

$$\frac{100\sqrt{3}}{4} = \frac{a^2\sqrt{3}}{4}$$

$$a^2 = 100 \text{ cm}^2 \quad a = \sqrt{100 \text{ cm}^2}$$

$$a = 10 \text{ cm}$$

$$V = B \cdot H$$

$$H = \frac{V}{B} = \frac{250\sqrt{3} \text{ cm}^3}{25\sqrt{3} \text{ cm}^2}$$

$$H = 10 \text{ cm}$$

$$M = 3aH = 3 \cdot 10 \text{ cm} \cdot 10 \text{ cm}$$

$$M = 300 \text{ cm}^2$$

$$P = 2B + M = 2 \cdot 25\sqrt{3} \text{ cm}^2 + 300 \text{ cm}^2$$

$$P = (50\sqrt{3} + 300) \text{ cm}^2$$



267.

$$a = 7 \text{ cm}$$

$$G = 24 \text{ cm}$$

$$c = 8 \text{ cm} = H$$

$$d^2 = a^2 + G^2$$

$$P_{dp} = d \cdot c$$

$$d^2 = 7^2 + 24^2$$

$$d = 25 \text{ cm}$$

$$P = 25 \text{ cm} \cdot 8 \text{ cm}$$

$$P = 200 \text{ cm}^2$$

