



Элементы параллелепипеда:

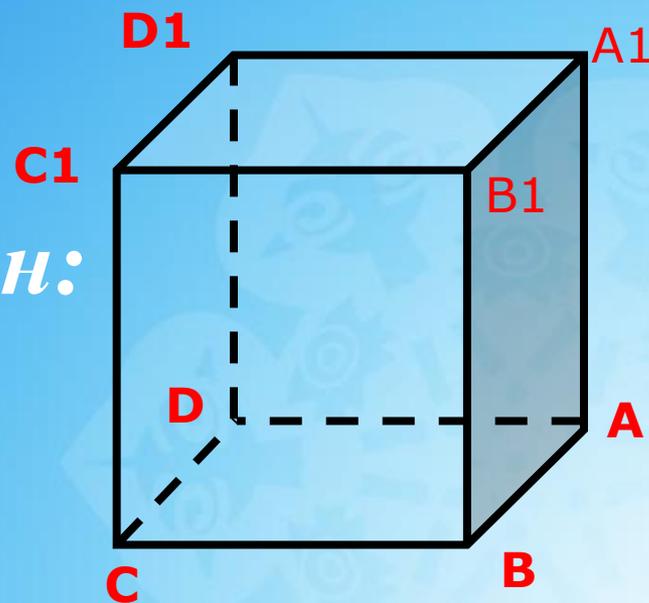
- *грани*
- *рёбра*
- *вершины*

Площадь полной поверхности:

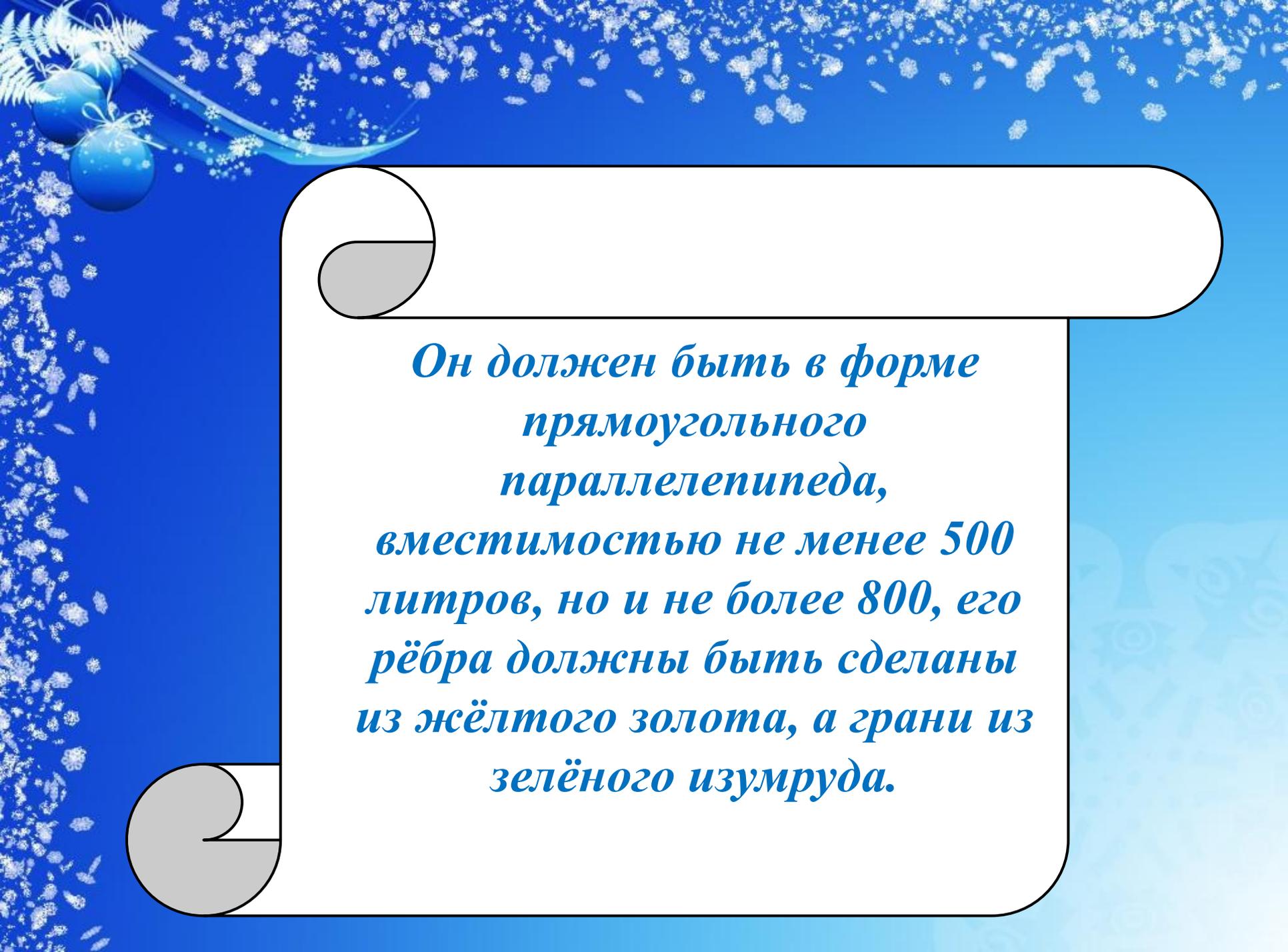
$$S=2ab+2bc+2ac$$

Сумма длин всех сторон:

$$L=4a+4b+4c$$



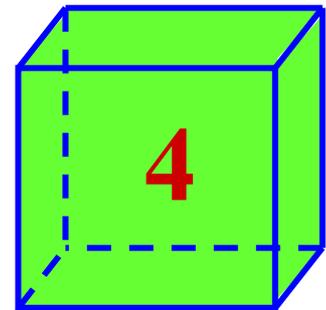
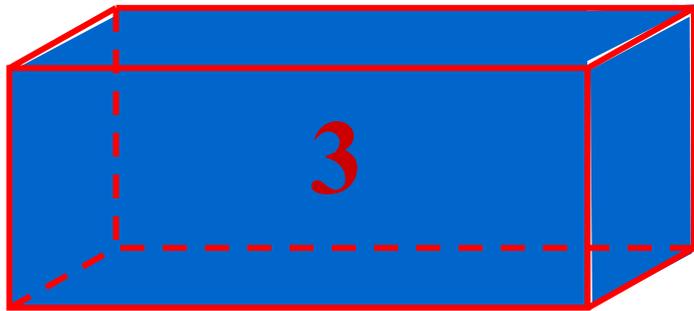
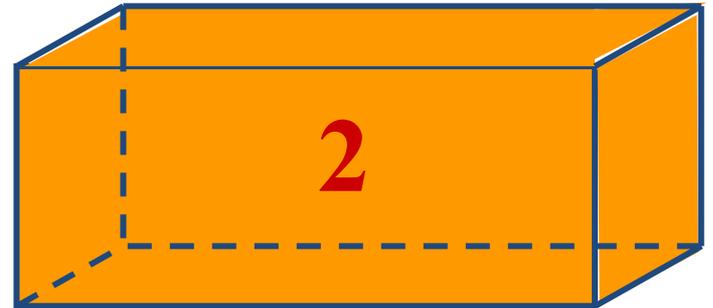
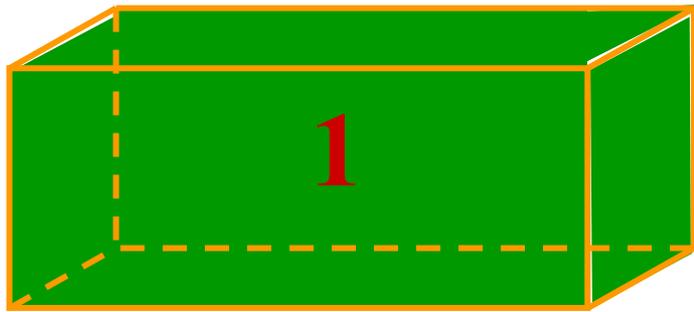


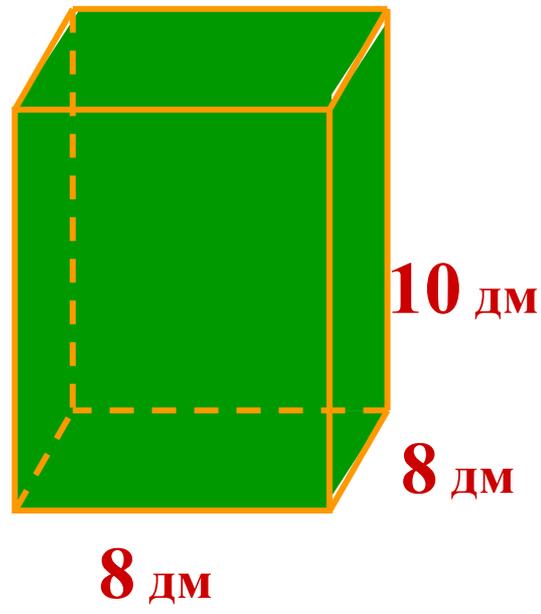
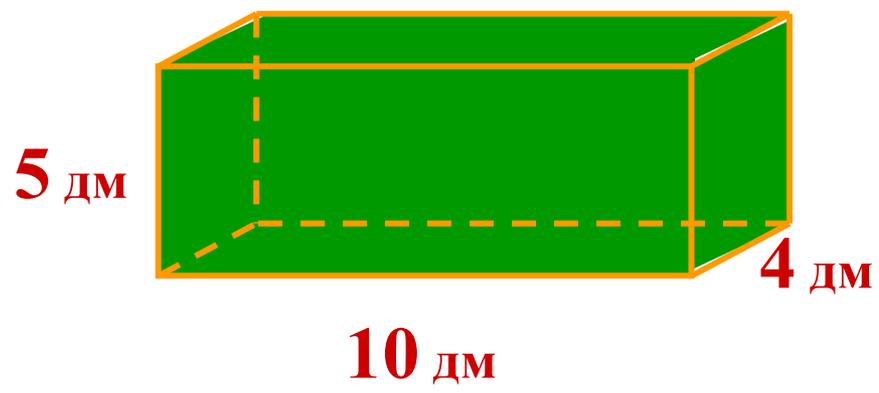
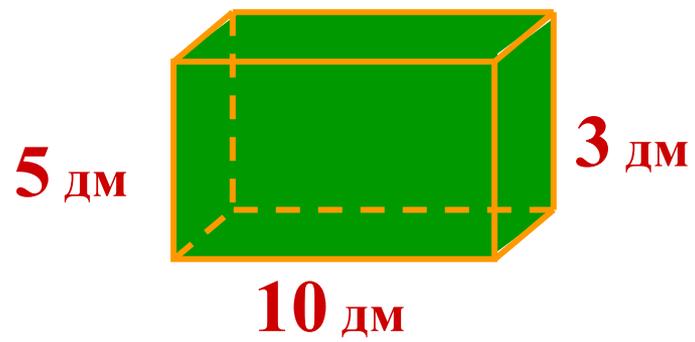
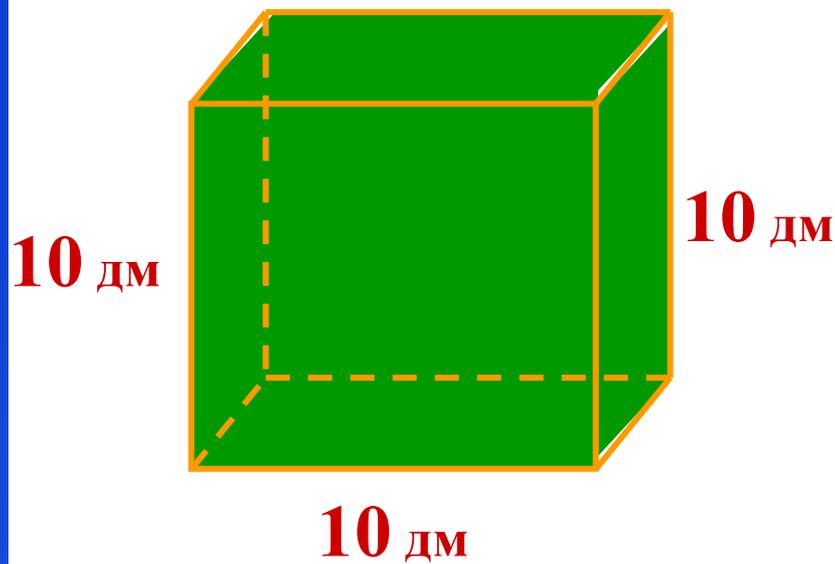


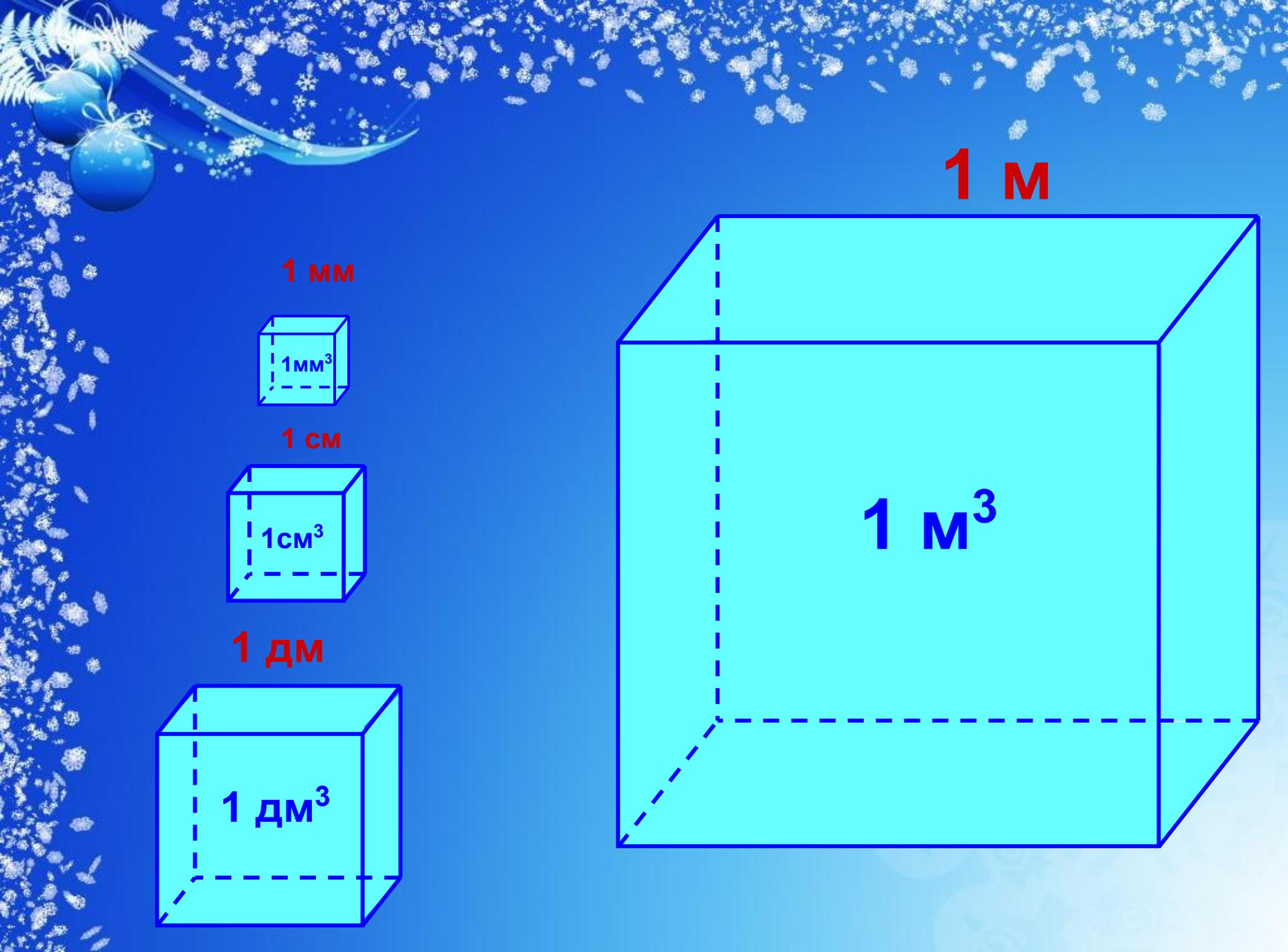
*Он должен быть в форме
прямоугольного
параллелепипеда,
вместимостью не менее 500
литров, но и не более 800, его
рёбра должны быть сделаны
из жёлтого золота, а грани из
зелёного изумруда.*

The background is a gradient of blue, transitioning from a darker shade at the top to a lighter shade at the bottom. It is decorated with numerous small white snowflakes scattered across the top and left sides. In the top-left corner, there are several blue Christmas ornaments of different sizes, some with white snowflakes on them, and a blue ribbon-like element. In the bottom-right corner, there are faint, stylized white icons of various shapes, including what looks like a star, a circle, and a square, arranged in a grid-like pattern.

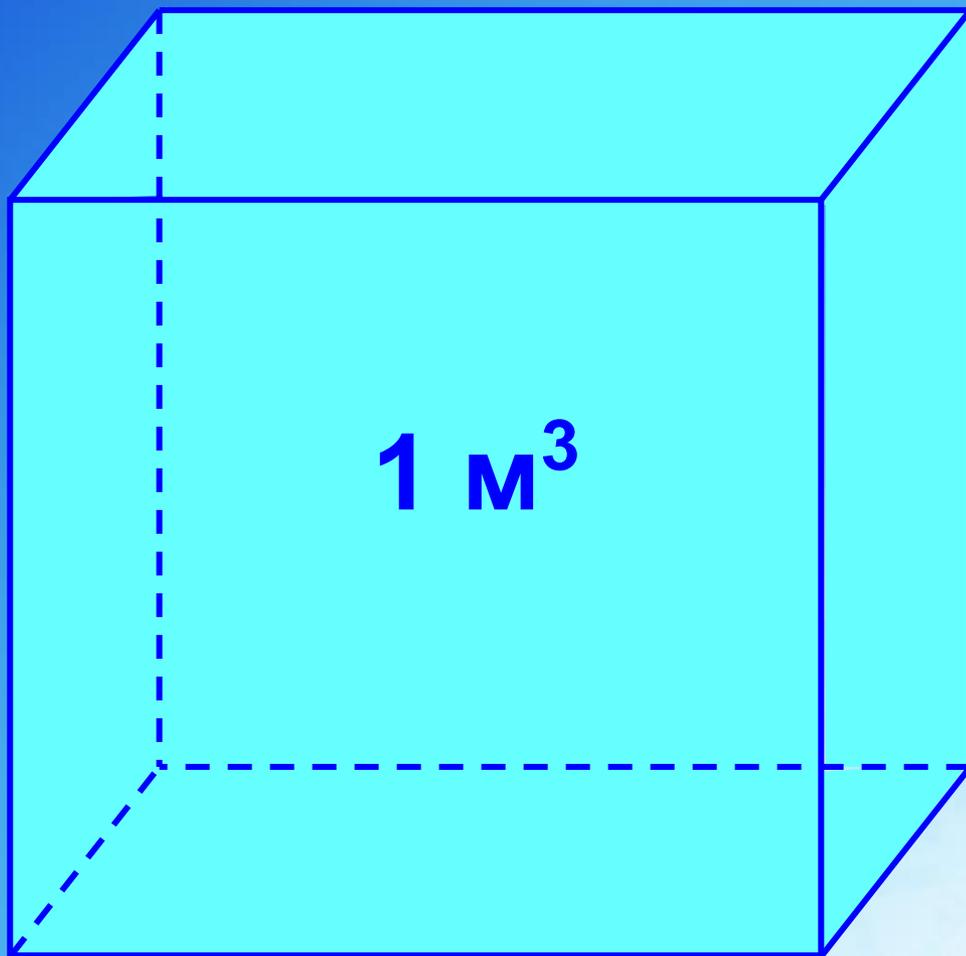
*Среди представленных
стеклянных ёмкостей
выберите аквариум
необходимой формы.*





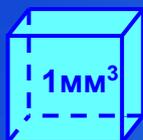


1 м



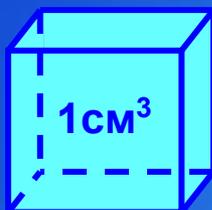
1 м³

1 мм



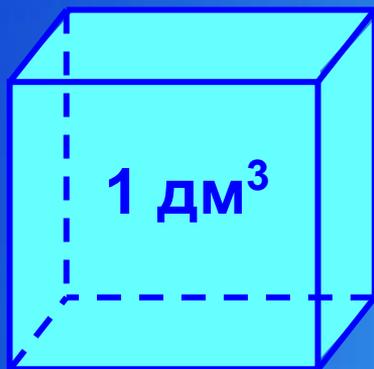
1 мм³

1 см



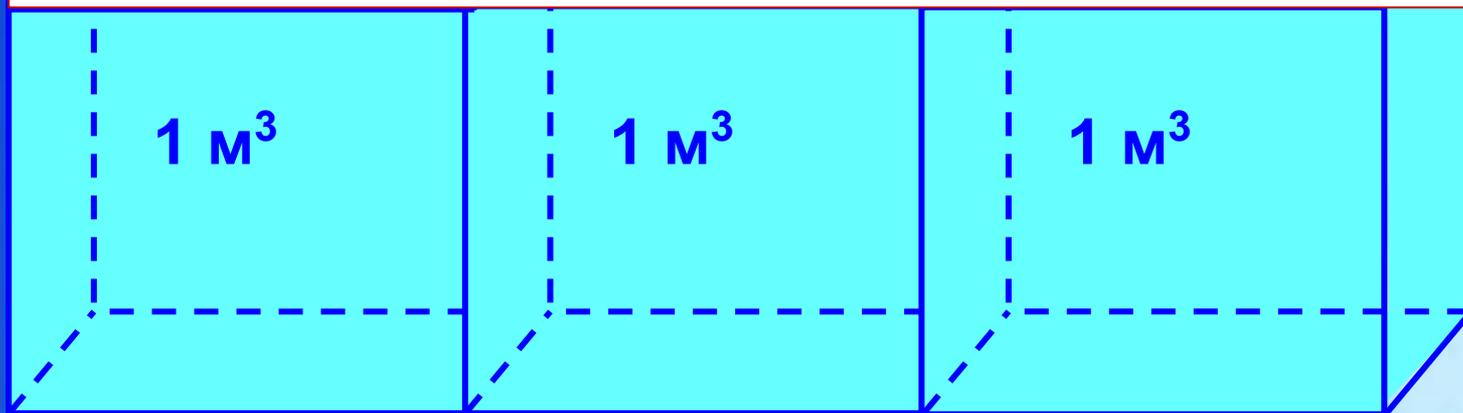
1 см³

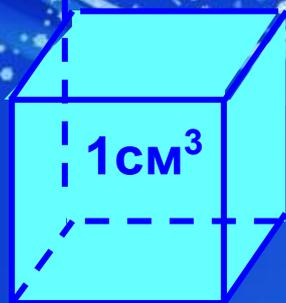
1 дм



1 дм³

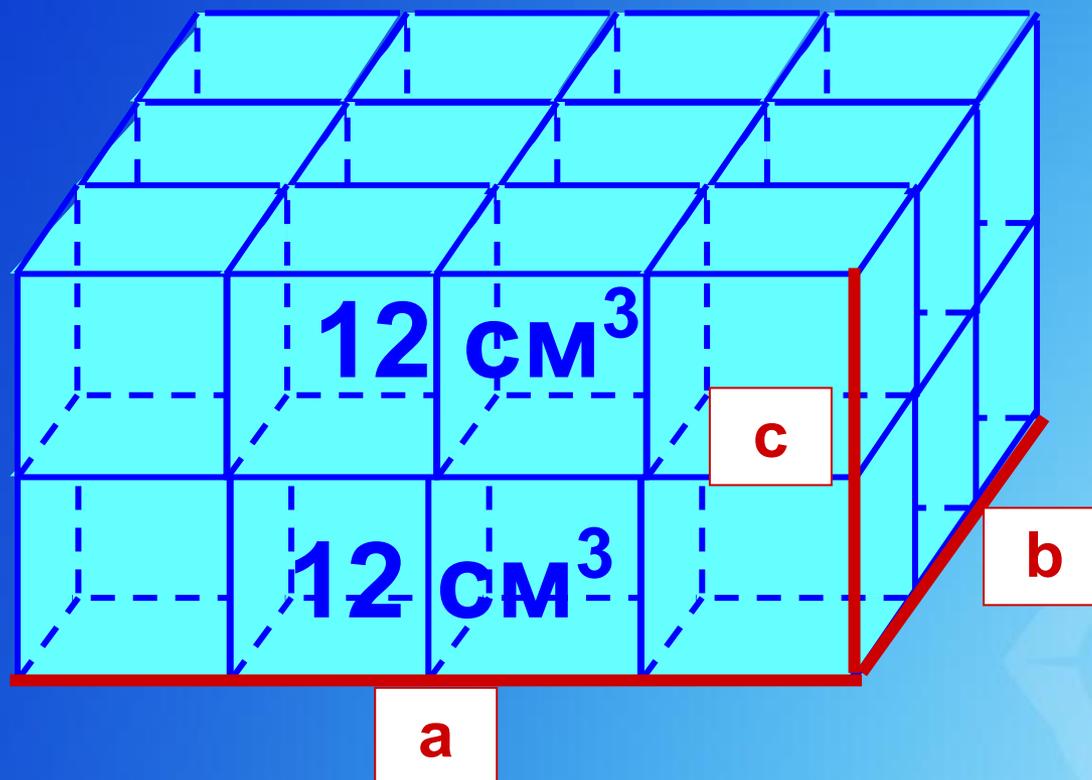
Объём
прямоугольного
параллелепипеда





Volume (лат.) - объём

$$V = abc$$



$$10 \cdot 10 \cdot 10 = 1000 \text{ см}^3$$

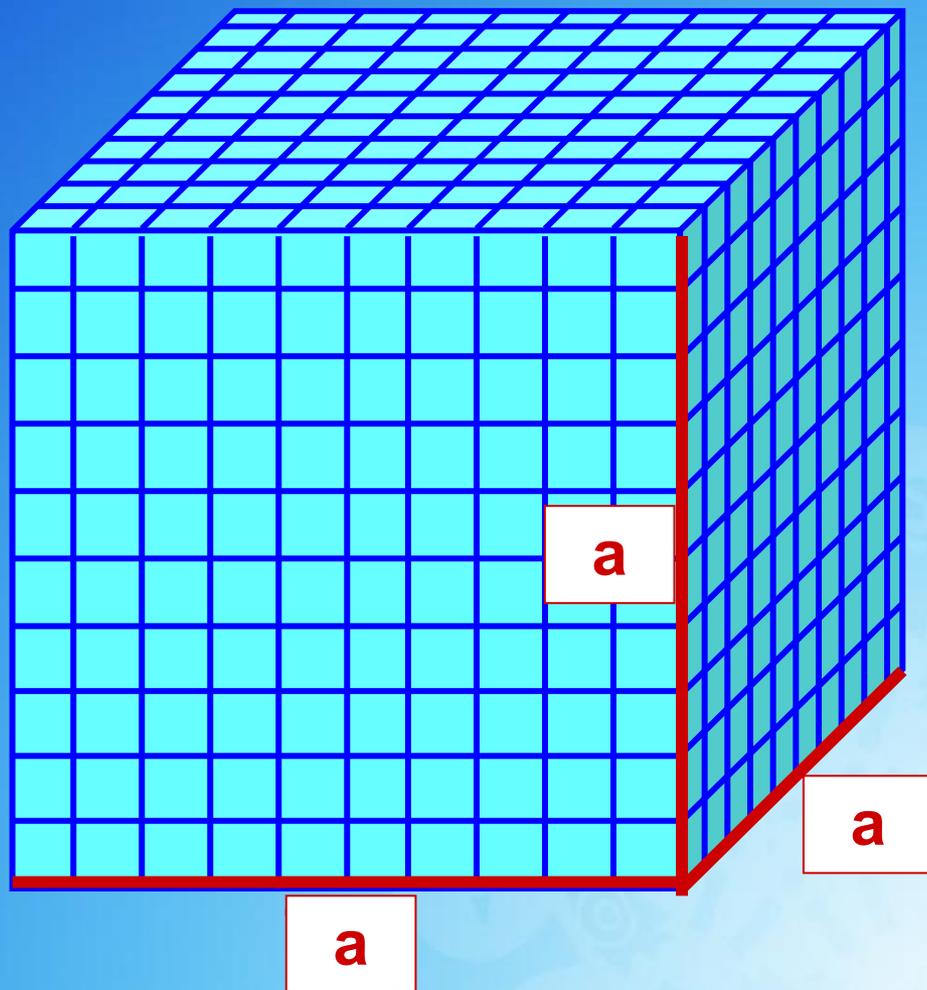
$$1 \cdot 1 \cdot 1 = 1 \text{ дм}^3$$

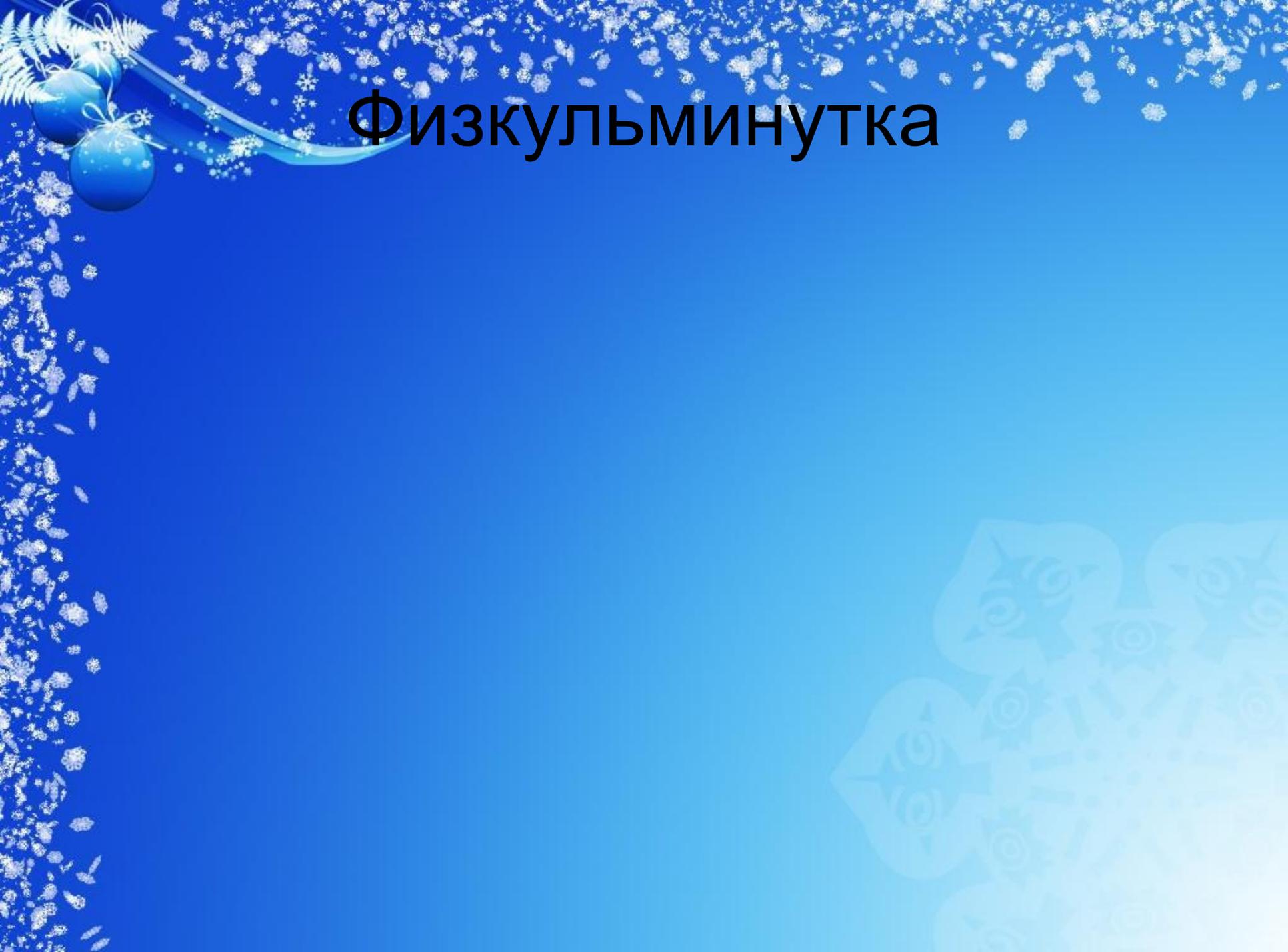
$$1 \text{ дм}^3 = 1000 \text{ см}^3$$

$$V_{\text{к}} = a \cdot a \cdot a$$

или

$$V_{\text{к}} = a^3$$



The background is a solid blue gradient. In the top-left corner, there are several blue Christmas ornaments of different sizes, some with white snowflake patterns, and a white ribbon. The top and left edges are decorated with a dense border of white snowflakes and small white leaves. In the bottom-right corner, there is a faint, light blue watermark of a stylized owl.

Физкультминутка







№	Объём, V	Длина, a	Ширина, b	Высота, h
1	560 дм ³	7 дм	2 м	
2	720 дм ³	8 дм	90 см	
3	540 дм ³	1 м	6 дм	
4	600 дм ³	120 см	10 дм	
5	630 дм ³	9 дм	1 м	

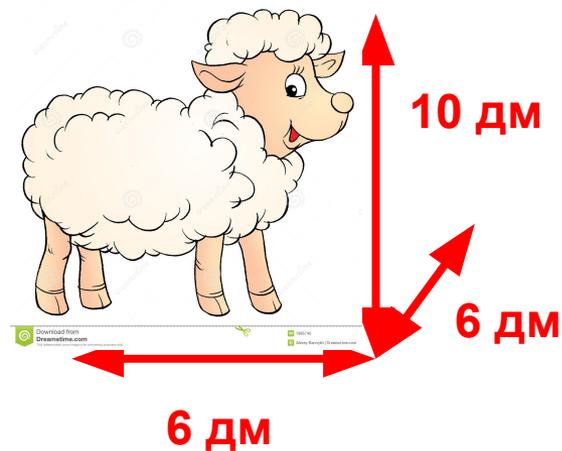
$$V=abh$$

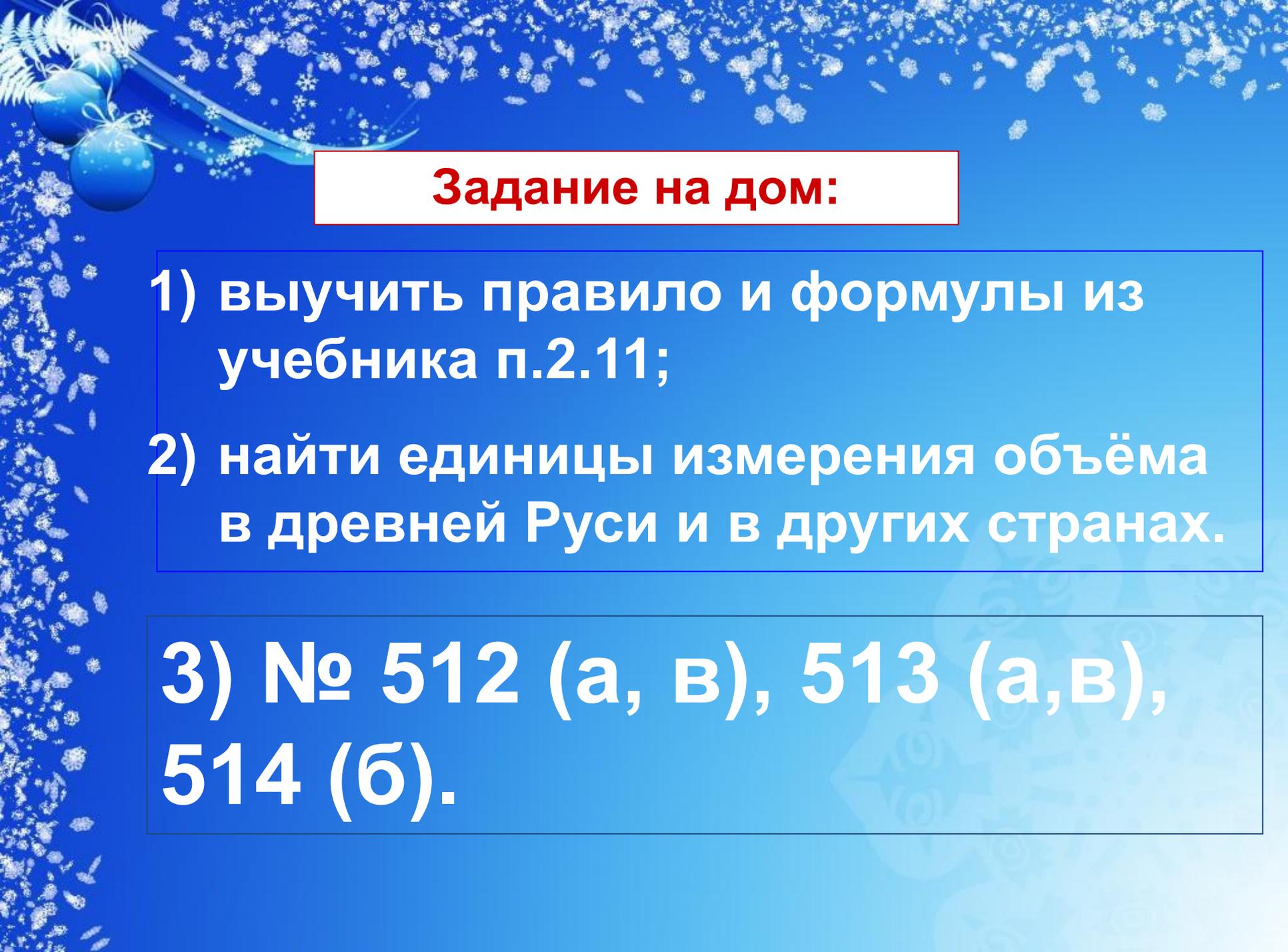
$$S=ab$$

$$S=ab=7 \cdot 20=140 \text{ дм}^2$$

$$h=V:S$$

$$h=V:S=560:140=4 \text{ дм}$$





Задание на дом:

- 1) выучить правило и формулы из учебника п.2.11;
- 2) найти единицы измерения объёма в древней Руси и в других странах.

**3) № 512 (а, в), 513 (а,в),
514 (б).**

A decorative border at the top and left of the page features blue Christmas ornaments, a blue ribbon, and a trail of white snowflakes. The background is a gradient of blue, with faint owl silhouettes in the lower right.

**Сегодня на уроке я узнал,
что...**

**Сегодня на уроке я
научился...**

С наступающим Новым 2015
ГОДОМ!

