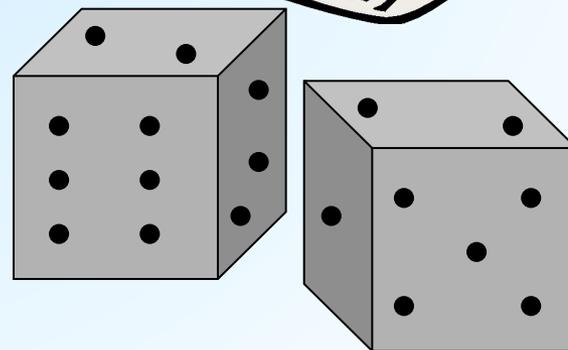
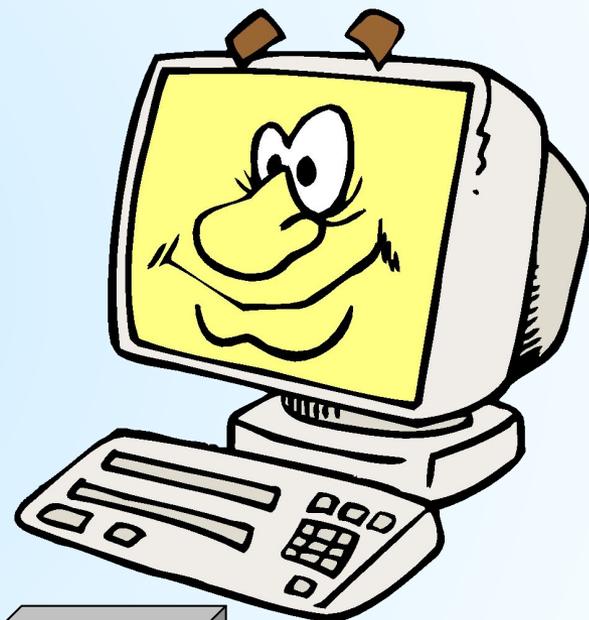
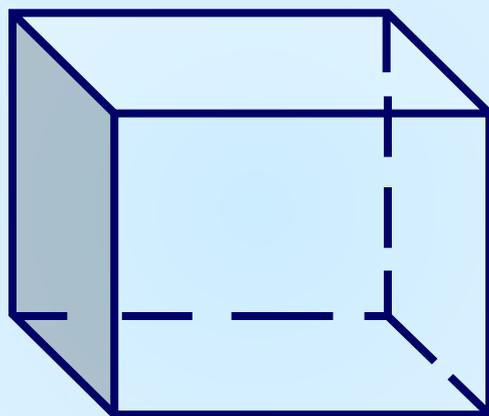


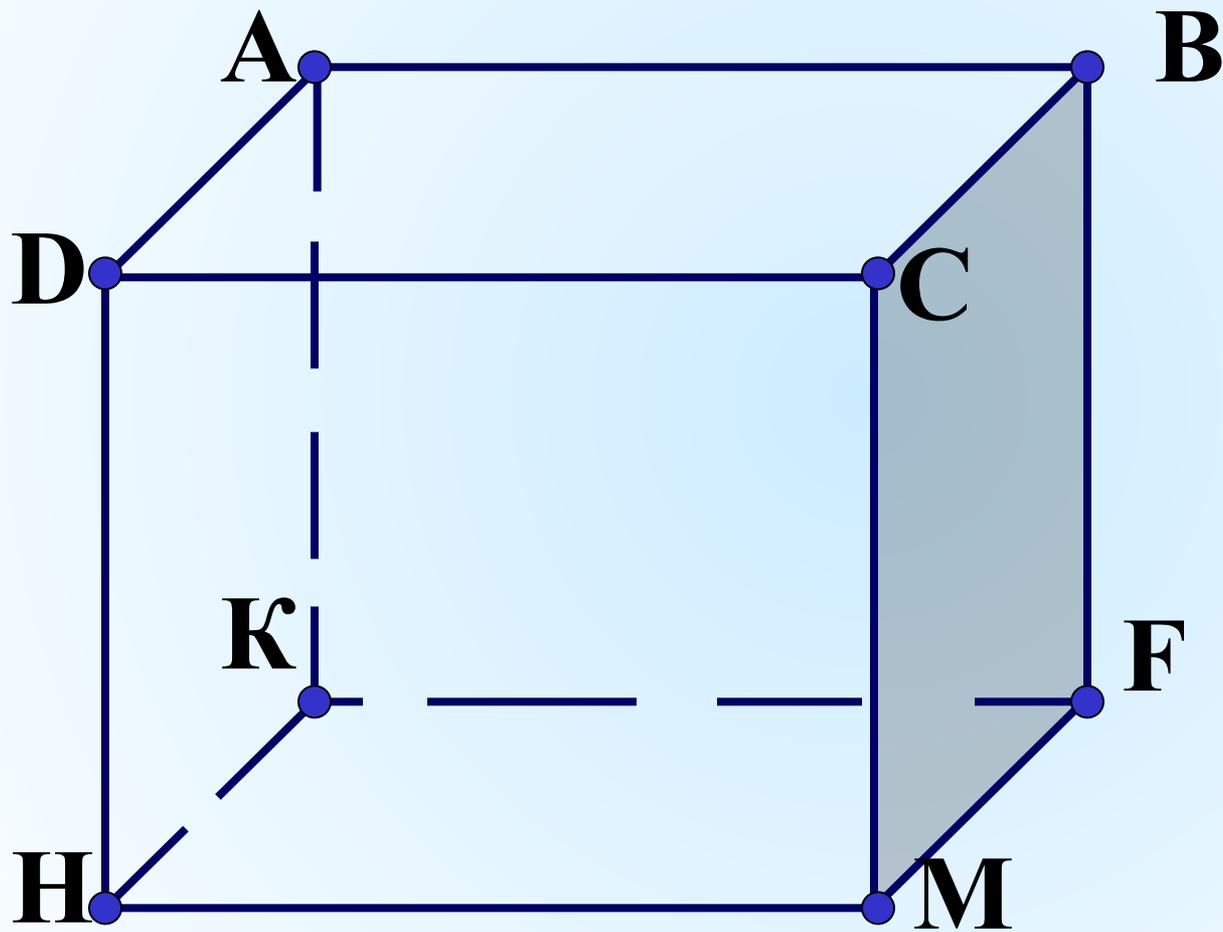
8.05 Прямоугольный параллелепипед.



Прямоугольный параллелепипед

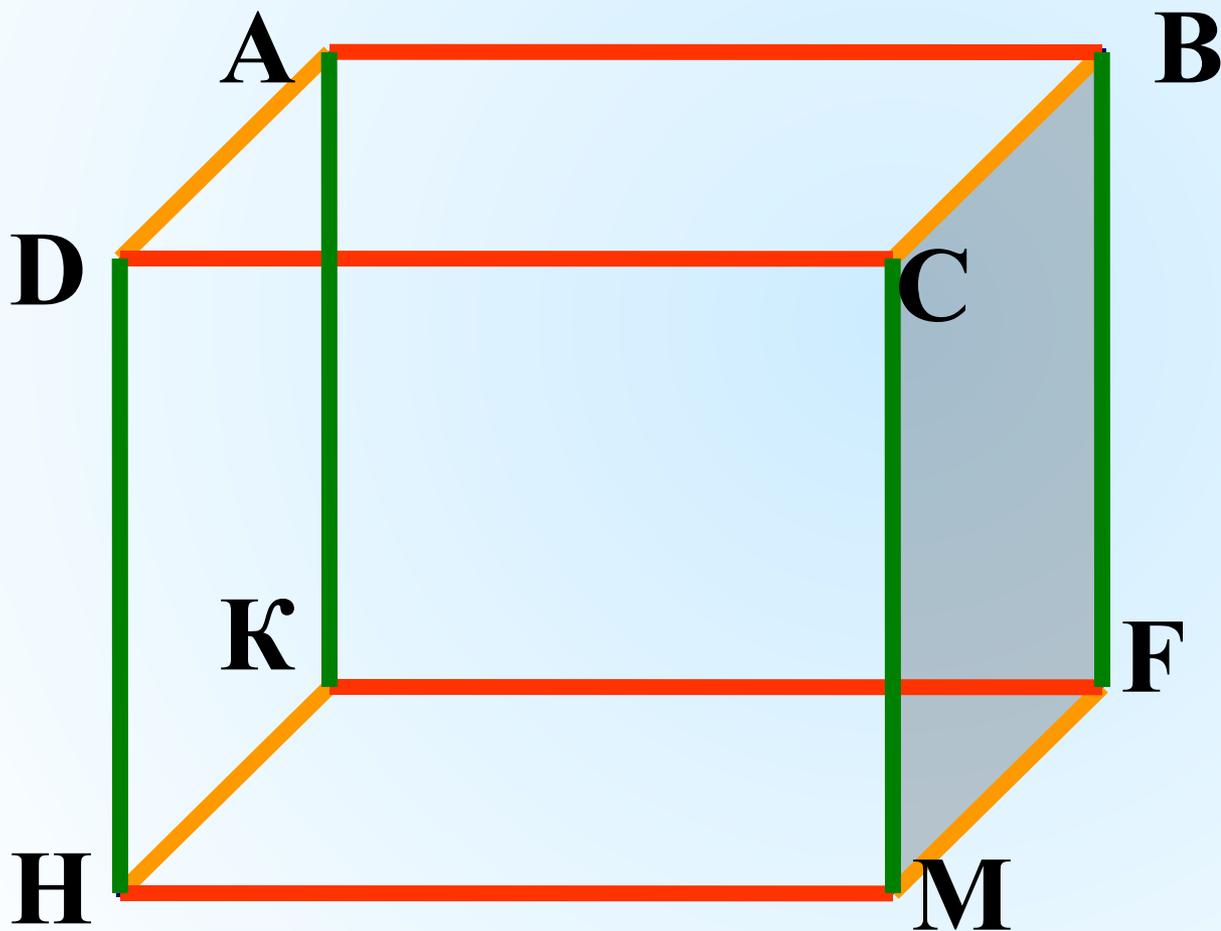


вершины



рёбра

ИЗМЕРЕНИЯ



длина

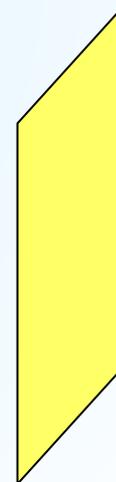
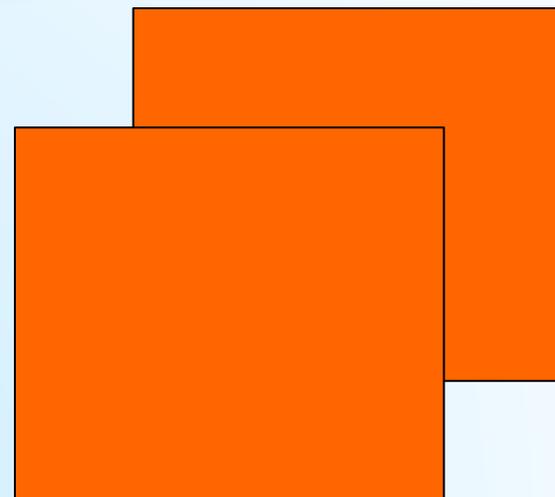
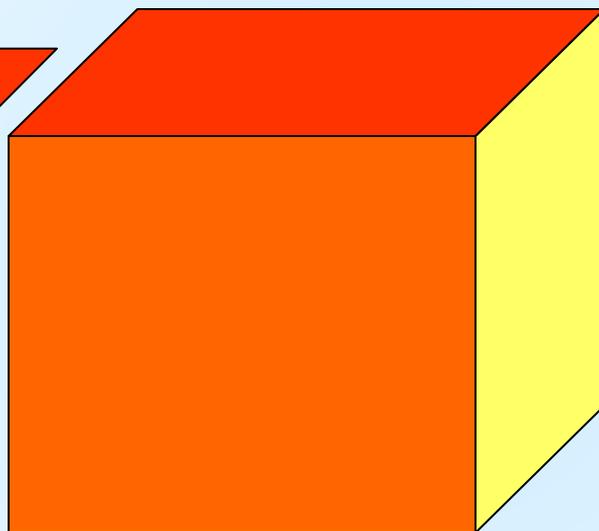
ширина

высота

грани



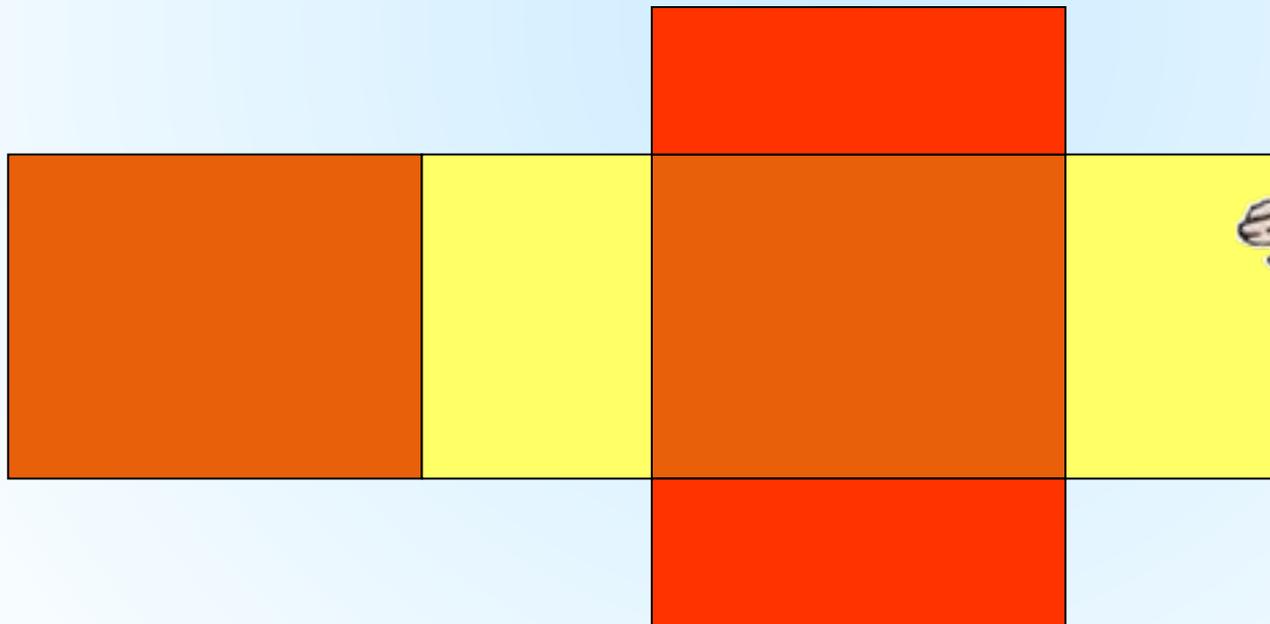
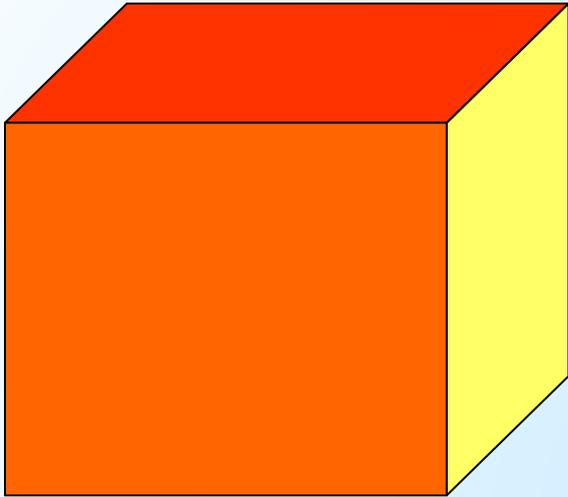
прямоугълници



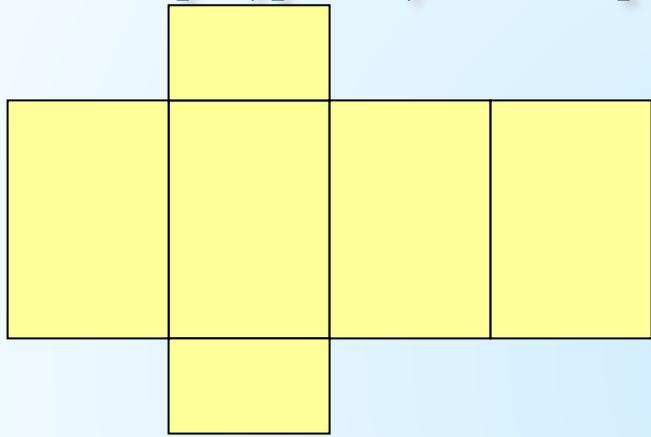
Противолежацие
грани равны !



развёртка

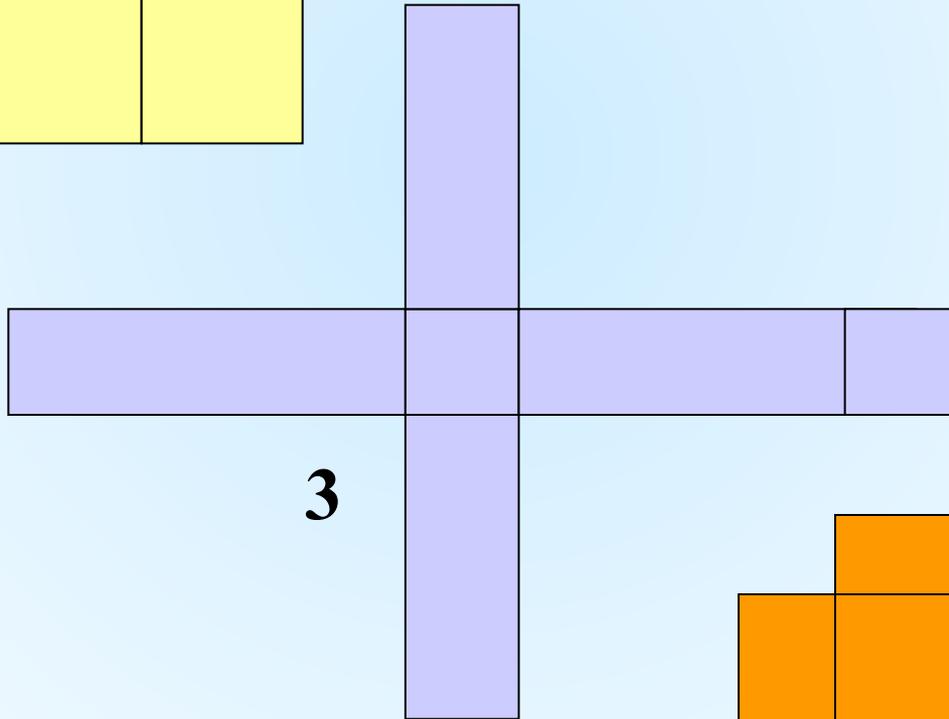
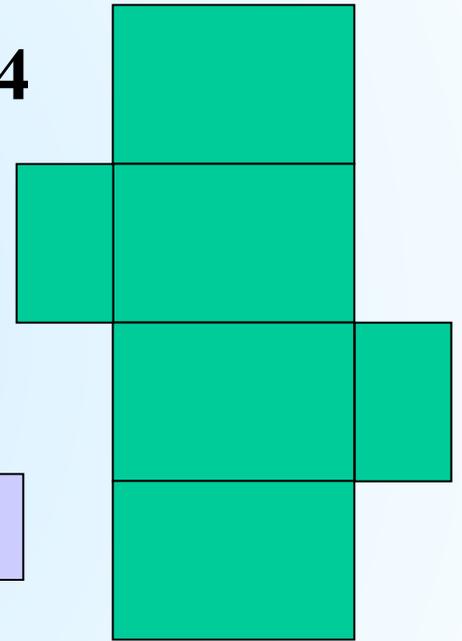


Какие из фигур могут быть развёртками прямоугольного параллелепипеда?



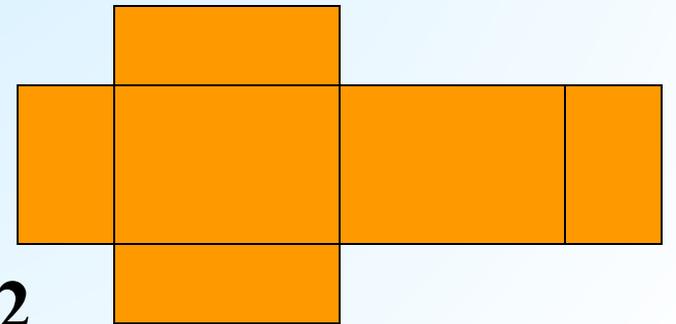
1

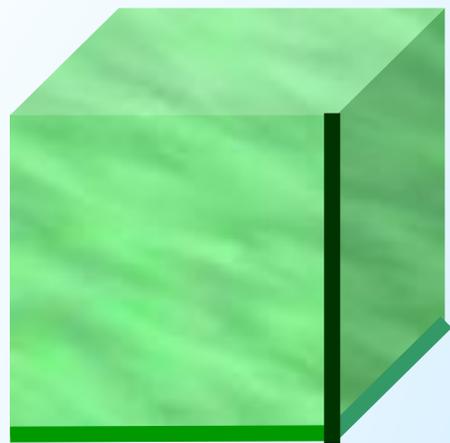
4



3

2



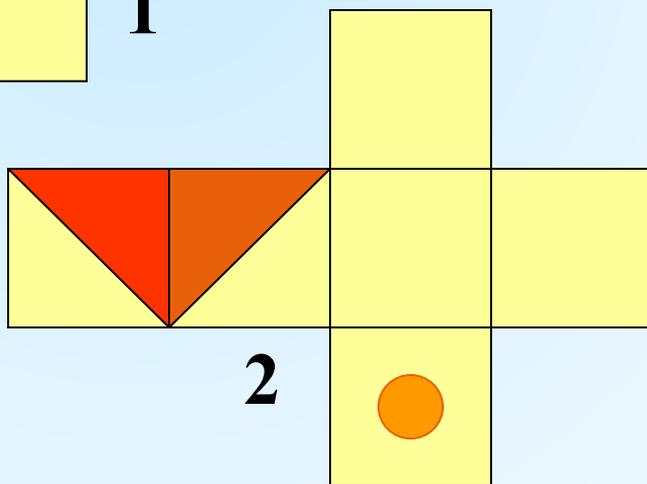
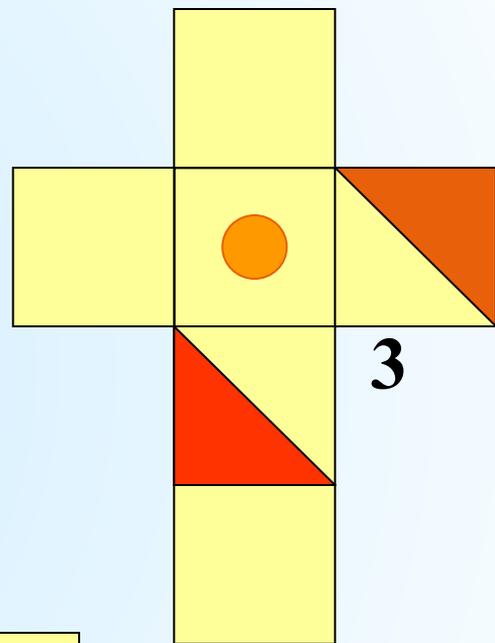
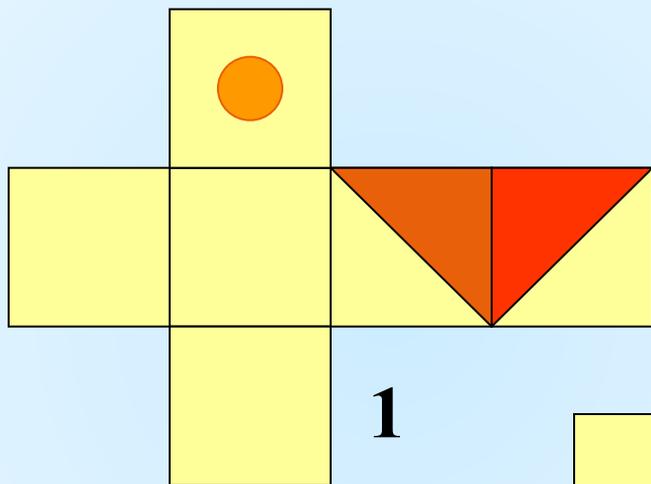
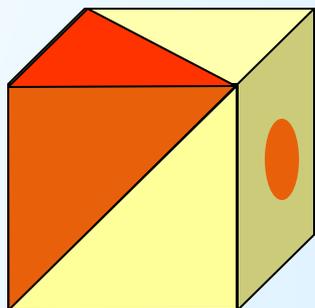


**Куб-
прямоугольный
параллелепипед,
у которого все
измерения равны**

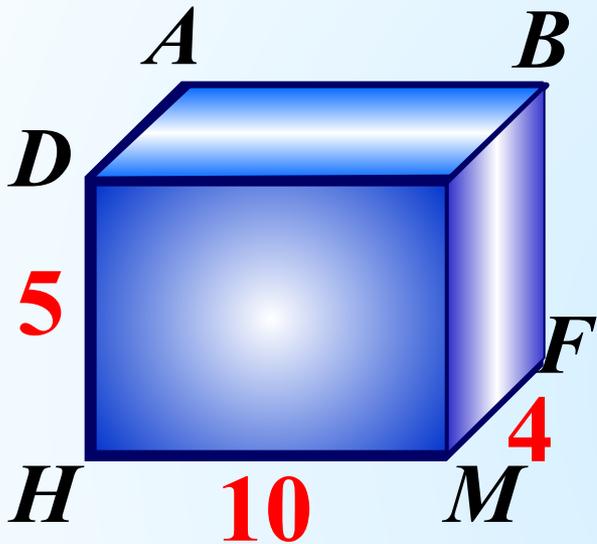
*Какими
геометрическими
фигурами являются
грани куба?*



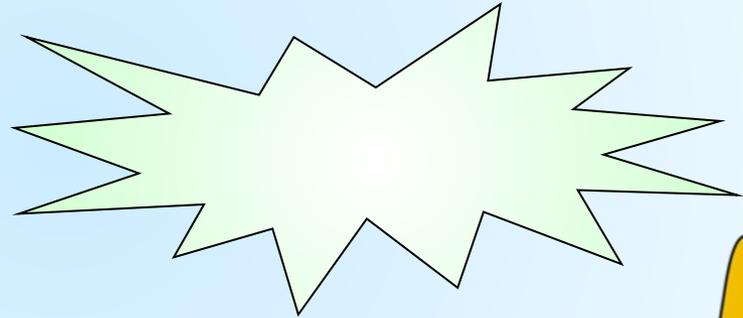
Какие из фигур не могут быть развёртками куба?



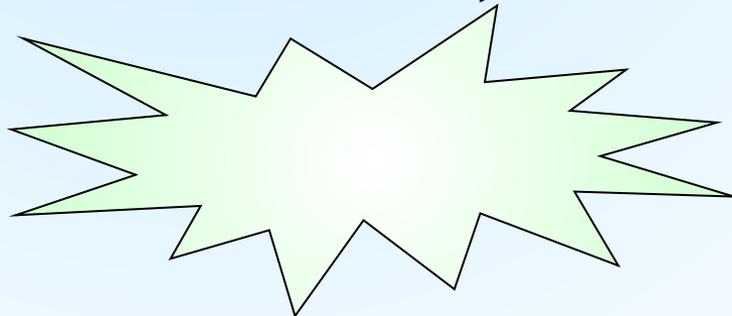
Вычислить общую длину всех рёбер и площадь поверхности прямоугольного параллелепипеда, если его измерения 10см, 5см, 4см.

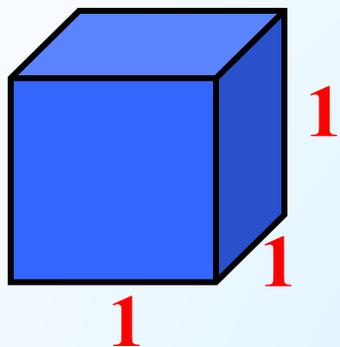


$$L = 4 \cdot (10 + 5 + 4) =$$



$$S = 2 \cdot (10 \cdot 5 + 10 \cdot 4 + 5 \cdot 4) =$$

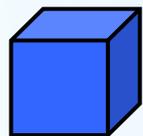




Единица измерения
объёма – куб со стороной **1**

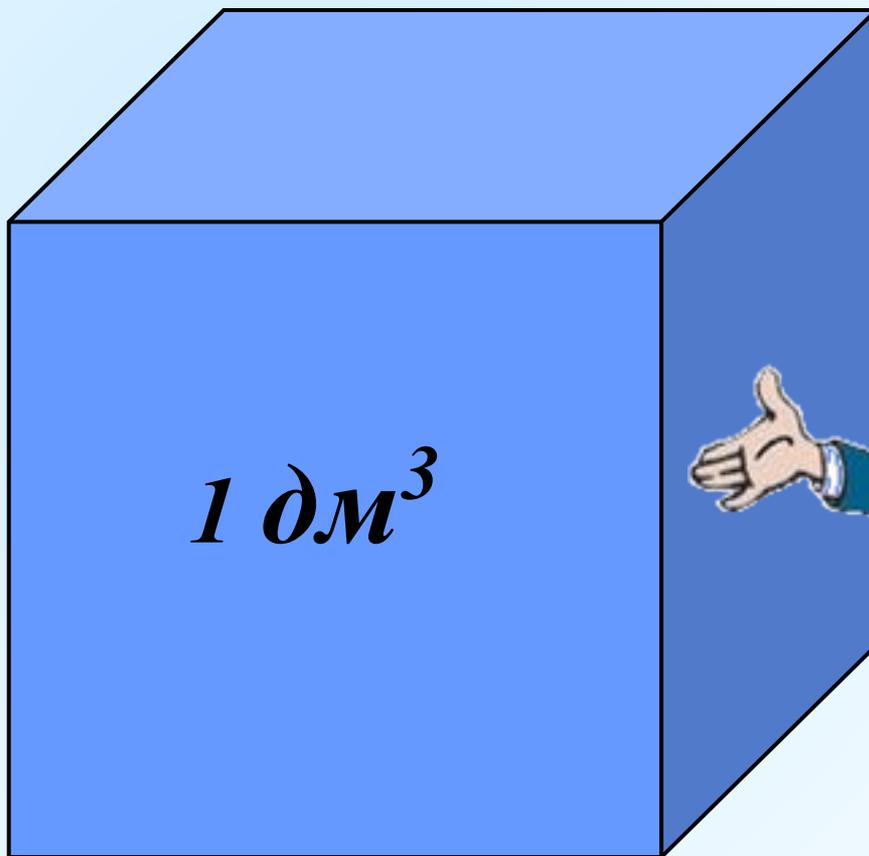
$$V = 1 \text{ ед}^3$$

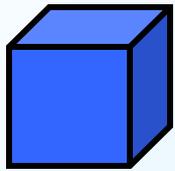
— 1 см



1 см^3

■ 1 мм^3





1 см³

1 слой :

$$4 \times 5 = 20 \text{ (см}^3\text{)}$$

2 слой?

$$4 \times 5 = 20 \text{ (см}^3\text{)}$$

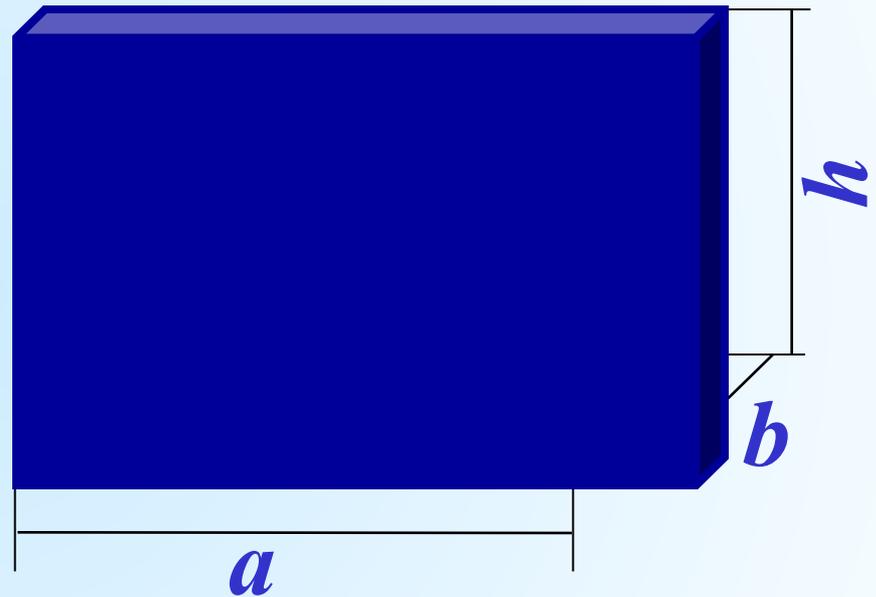
3 слой?

$$4 \times 5 = 20 \text{ (см}^3\text{)}$$

Всего:

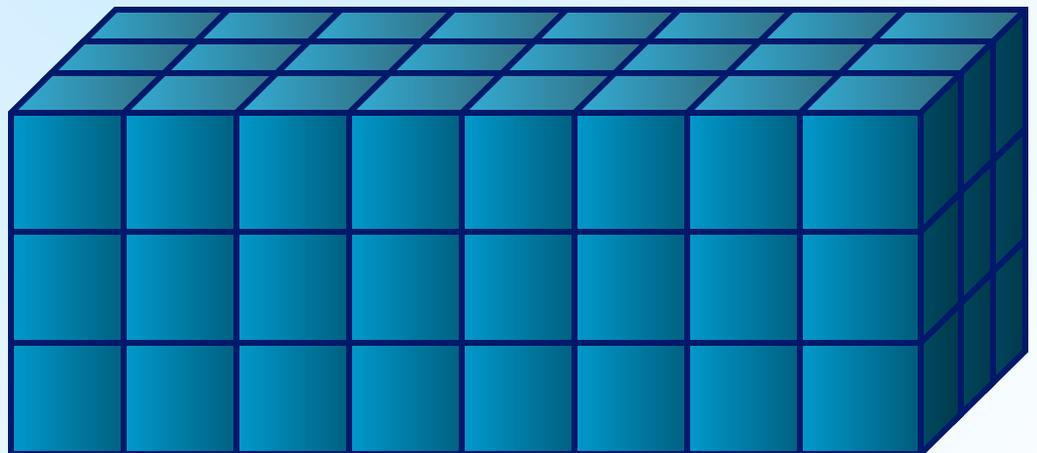
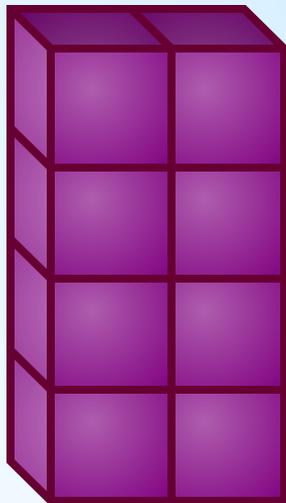
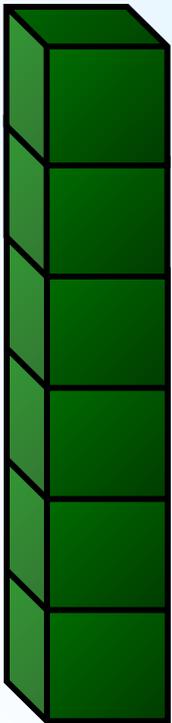
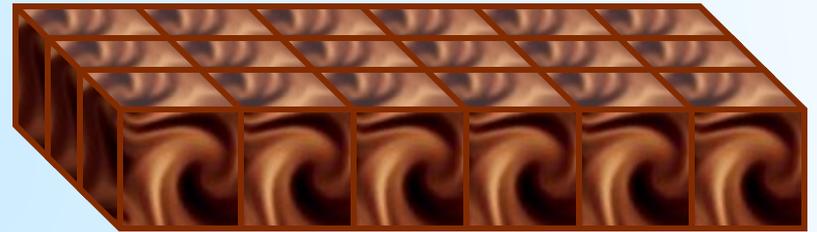
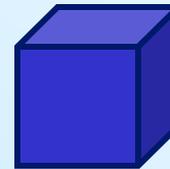
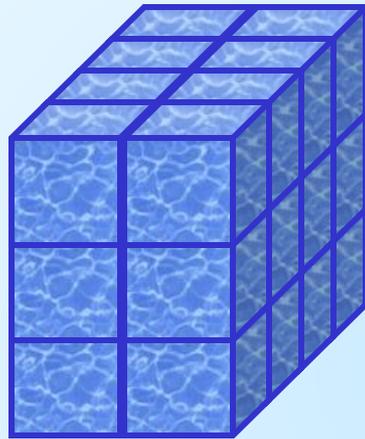
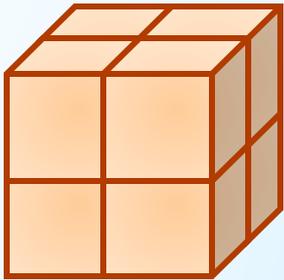
$$4 \times 5 \times 3 = 60 \text{ (см}^3\text{)}$$

Объём



$$V = a \cdot b \cdot h$$

Найти объём фигур



- Домашнее задание: п.4.19(выучить),
- №1044,1045