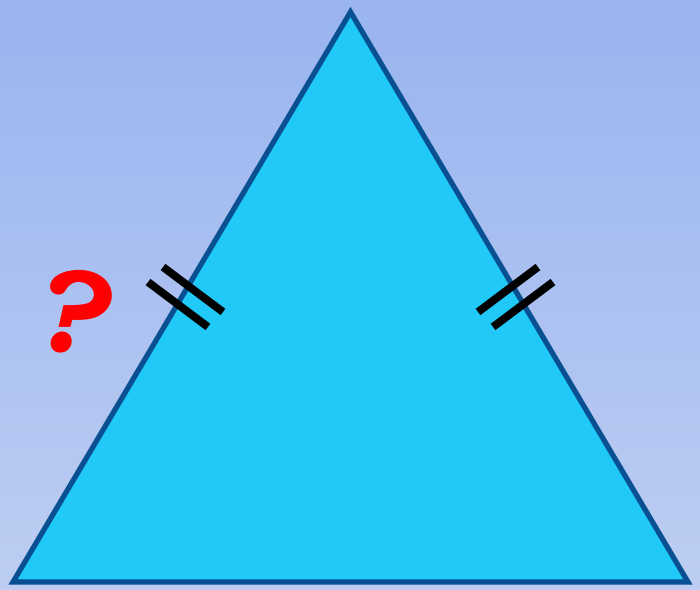
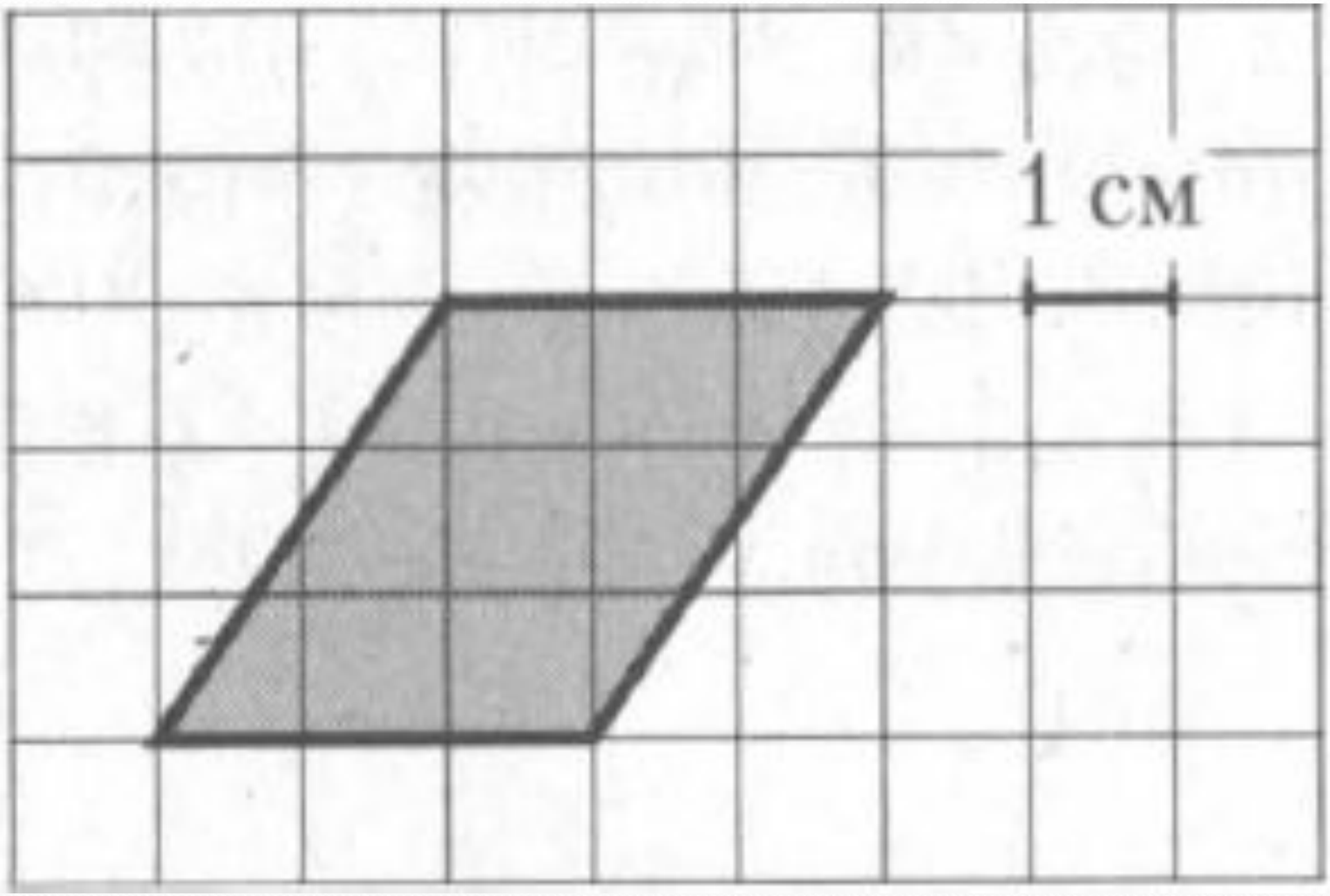
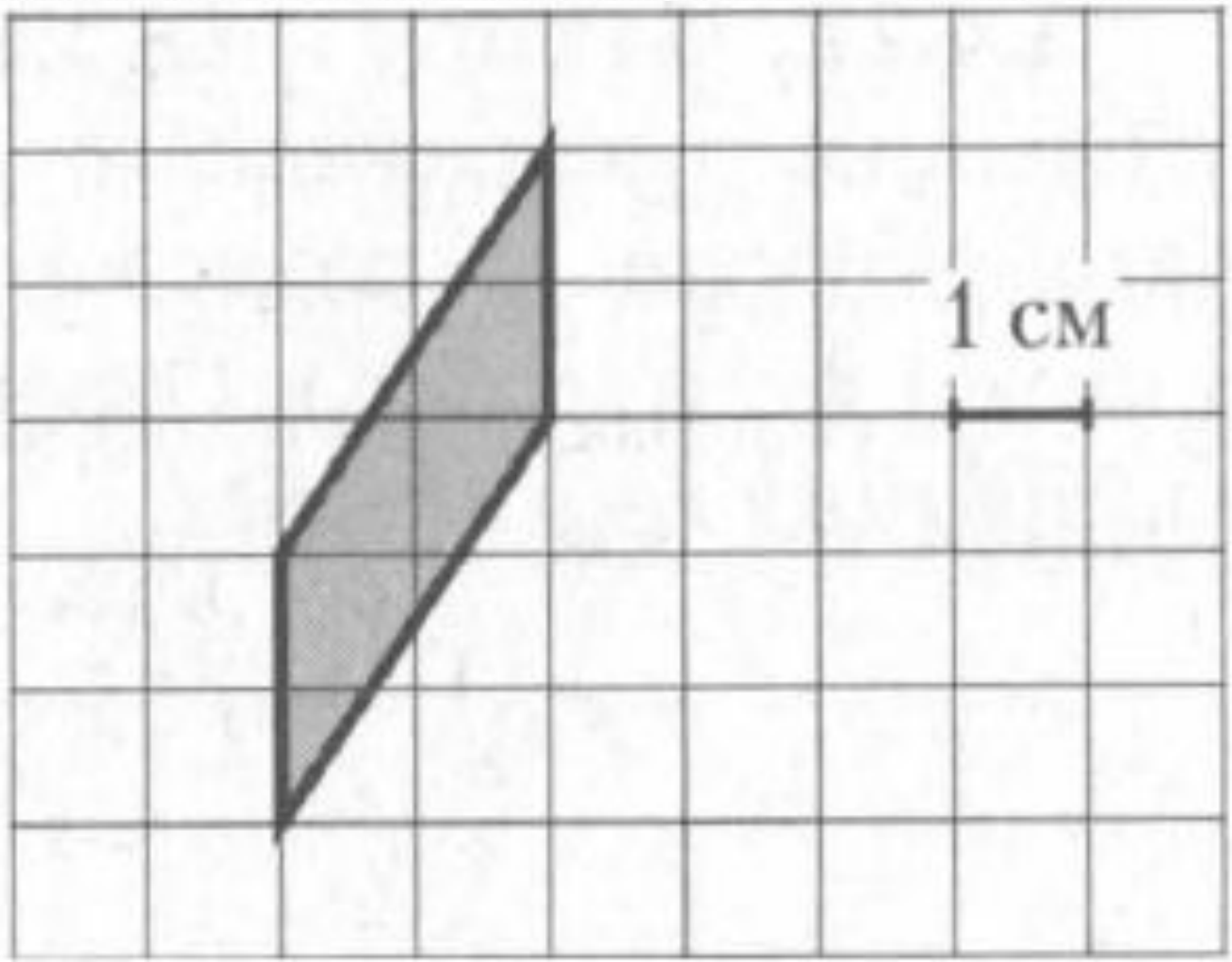
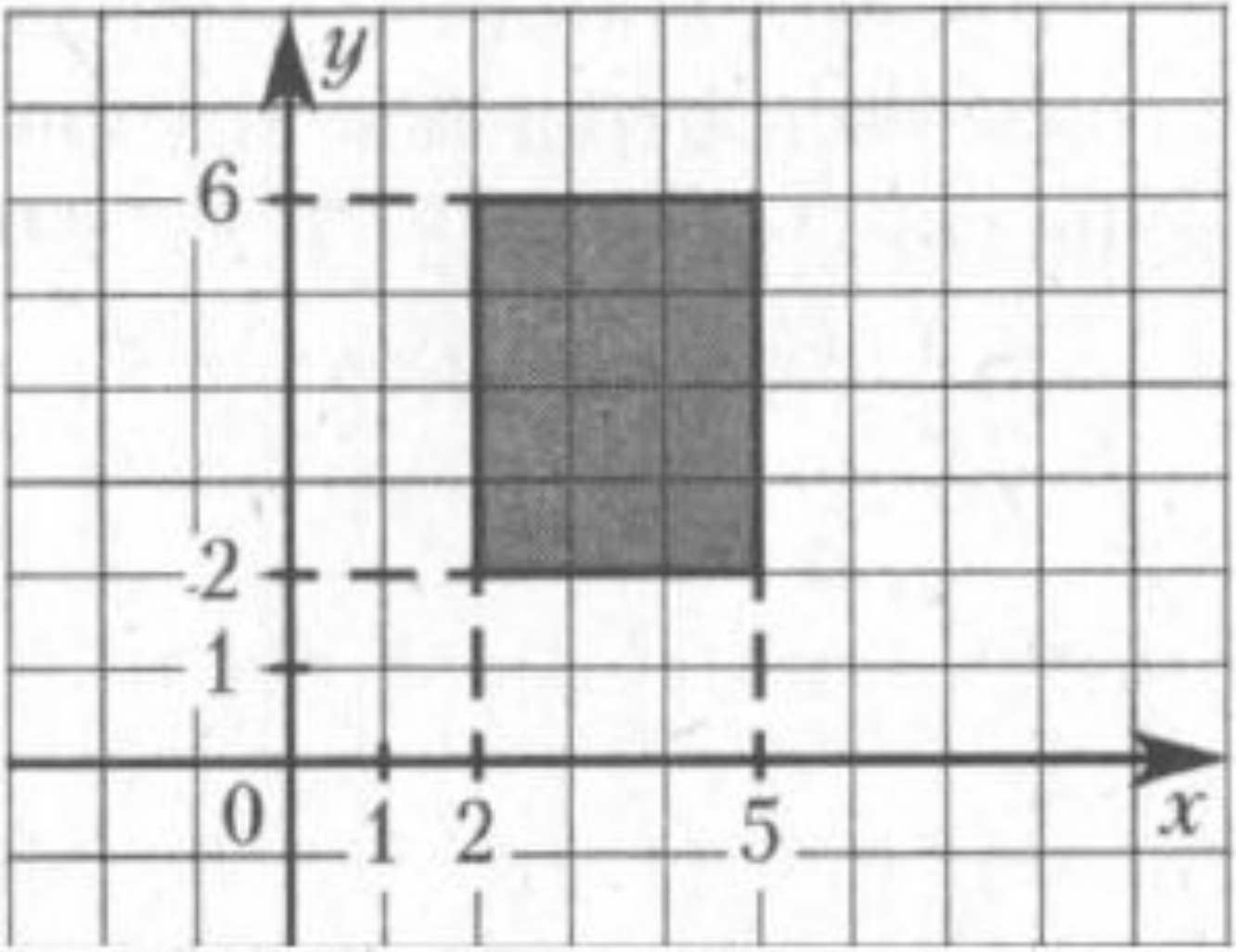


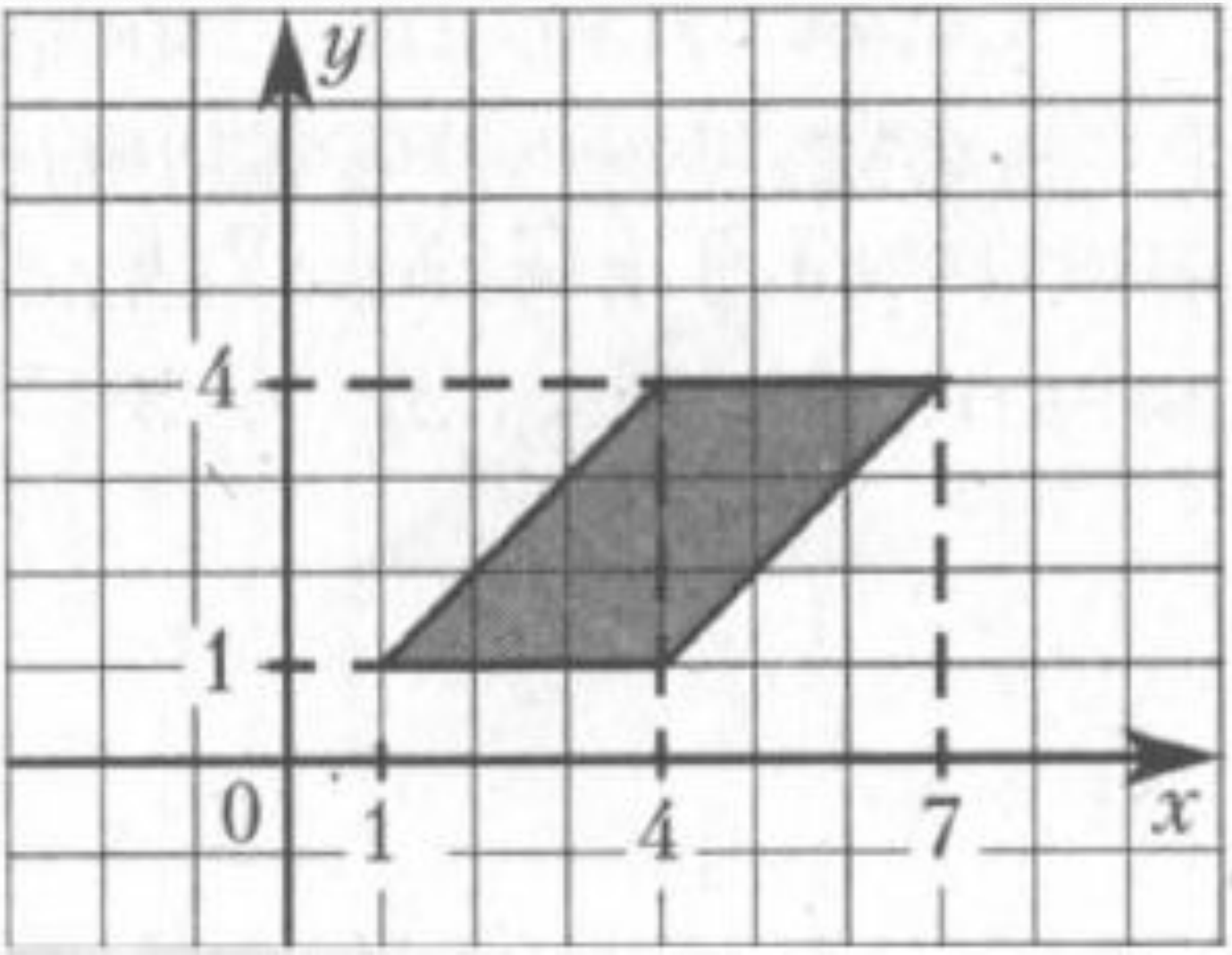
7 см

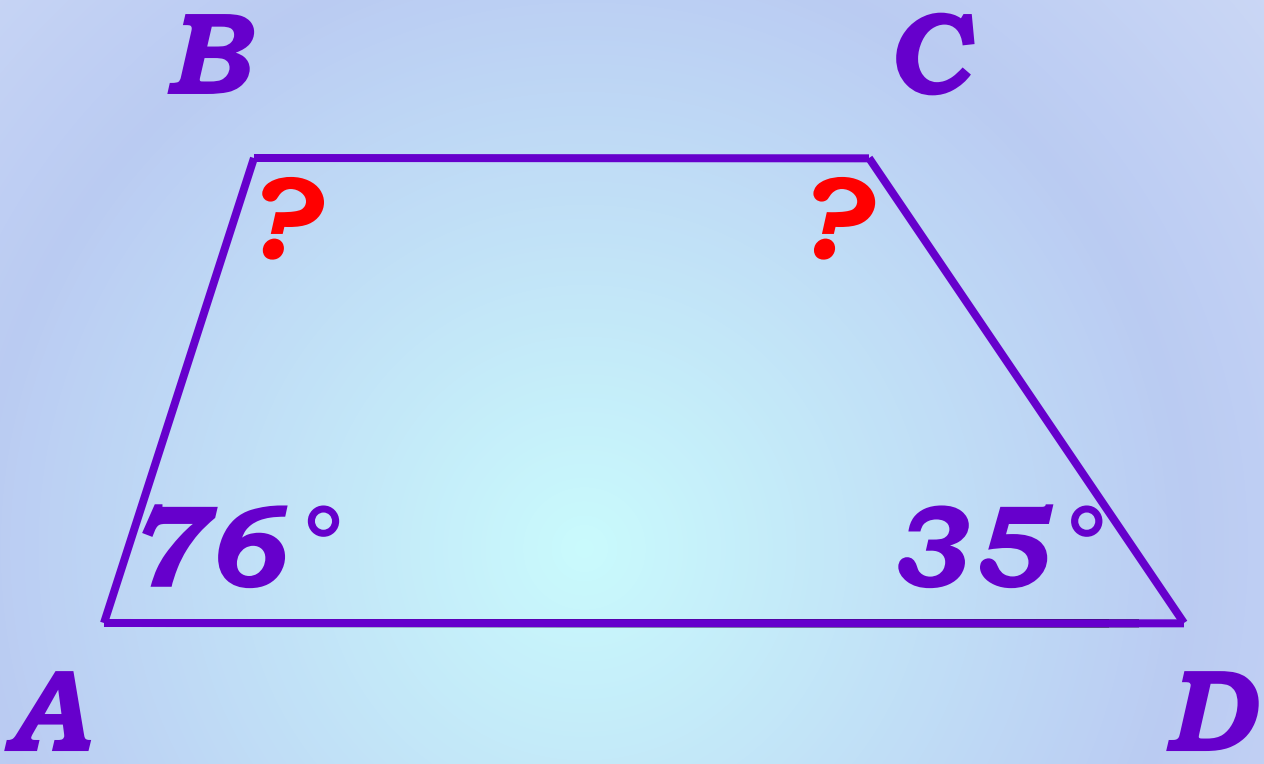
$P_{\triangle} = 31$ см

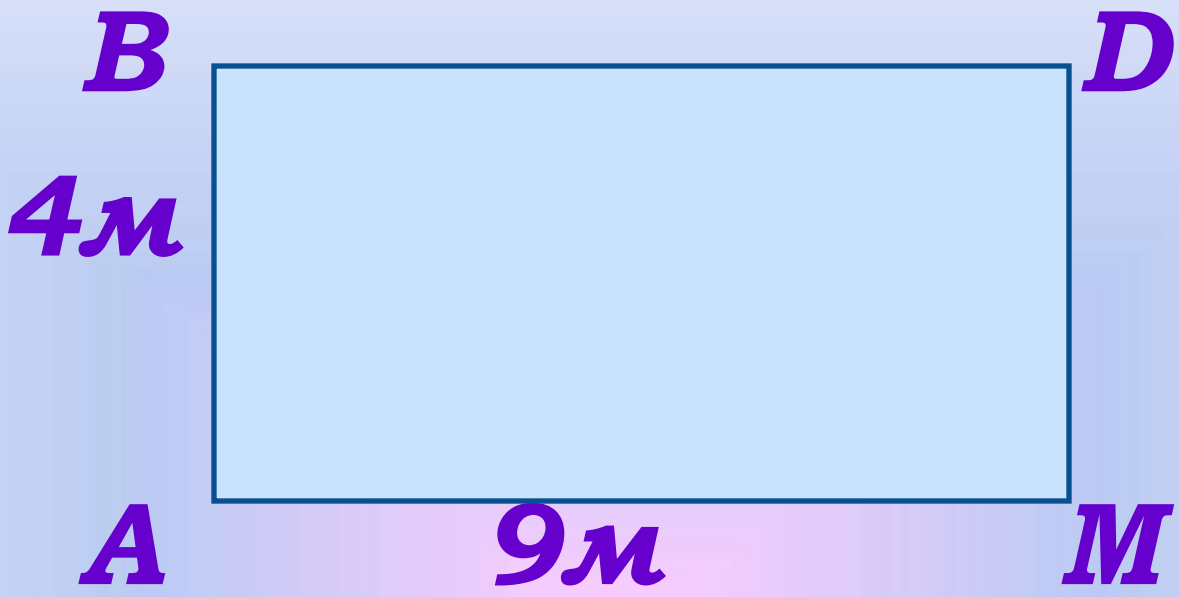

1 см


1 см


y
6
2
1
0
1
2
5
x


y
4
1
0
1
4
7
x


B
C
?
?
76°
35°
A
D



$S_{ABDM} = ?$

$S_{\triangle ADM} = ?$

NB = 4см

MB = 3см

BK = 5см

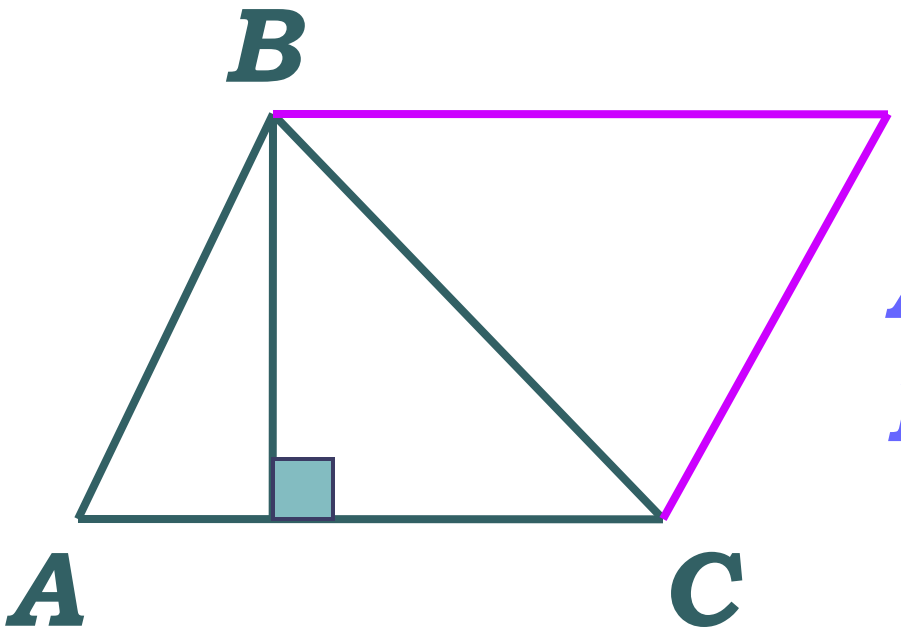
S_{MNPK} = ?

$S_{\Delta MNK}$ = ?

$S_{ABCD} = ?$

$S_{\Delta ABC} = ?$

Площадь треугольника равна половине произведения его основания на высоту



Дано:

ΔABC

AC –основание

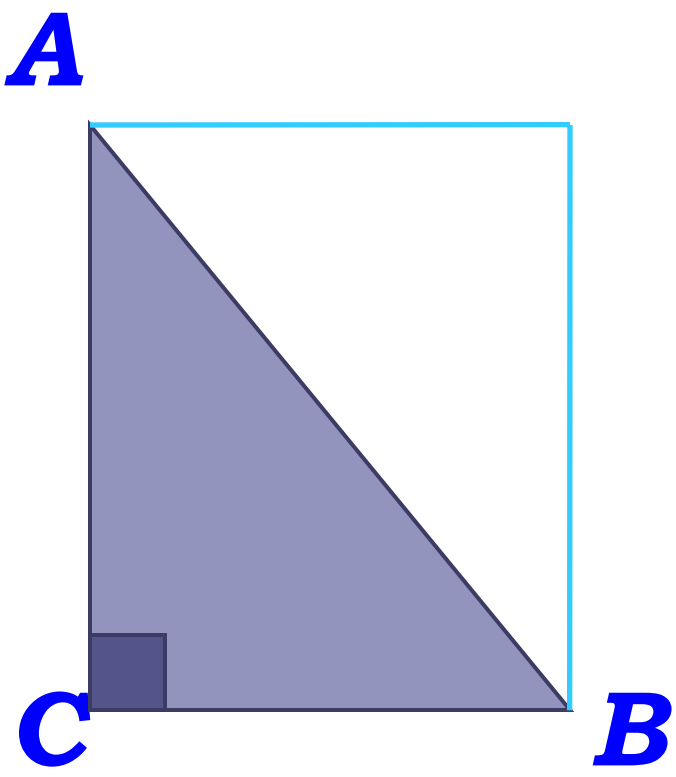
BK – высота

Док-ть:

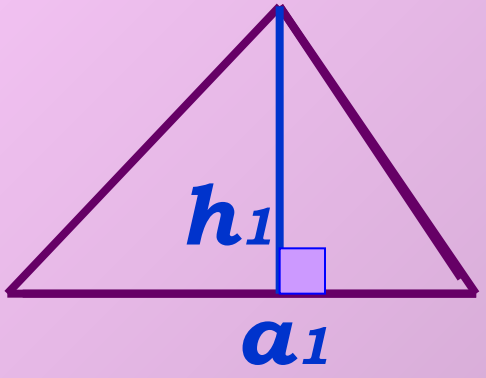
1

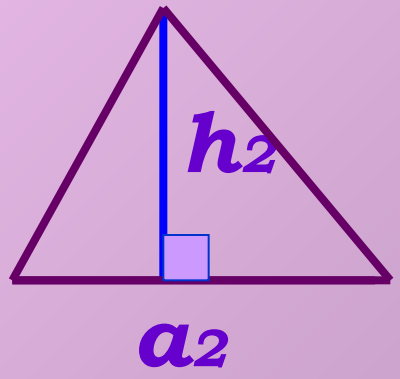
$$S_{\Delta ABC} = \frac{1}{2} AC \cdot BK$$

Следствия



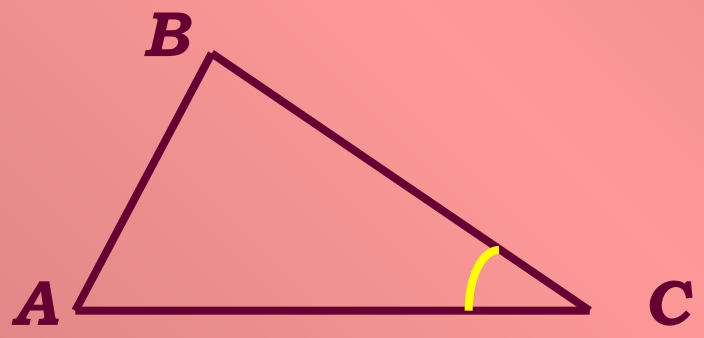
$$S_{\triangle ABC} = \frac{AC \cdot BC}{2}$$





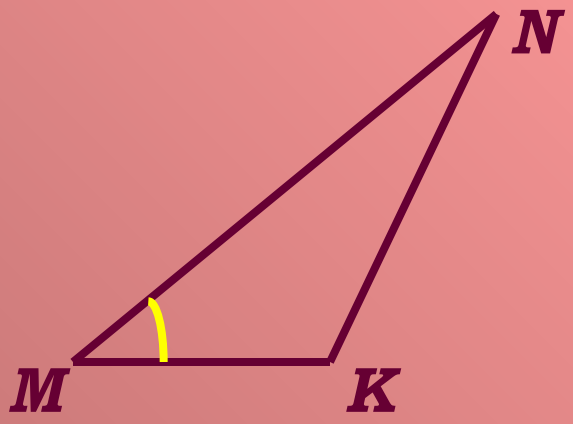
Если $h_1 = h_2$, то

$$\frac{S_1}{S_2} = \frac{a_1}{a_2}$$

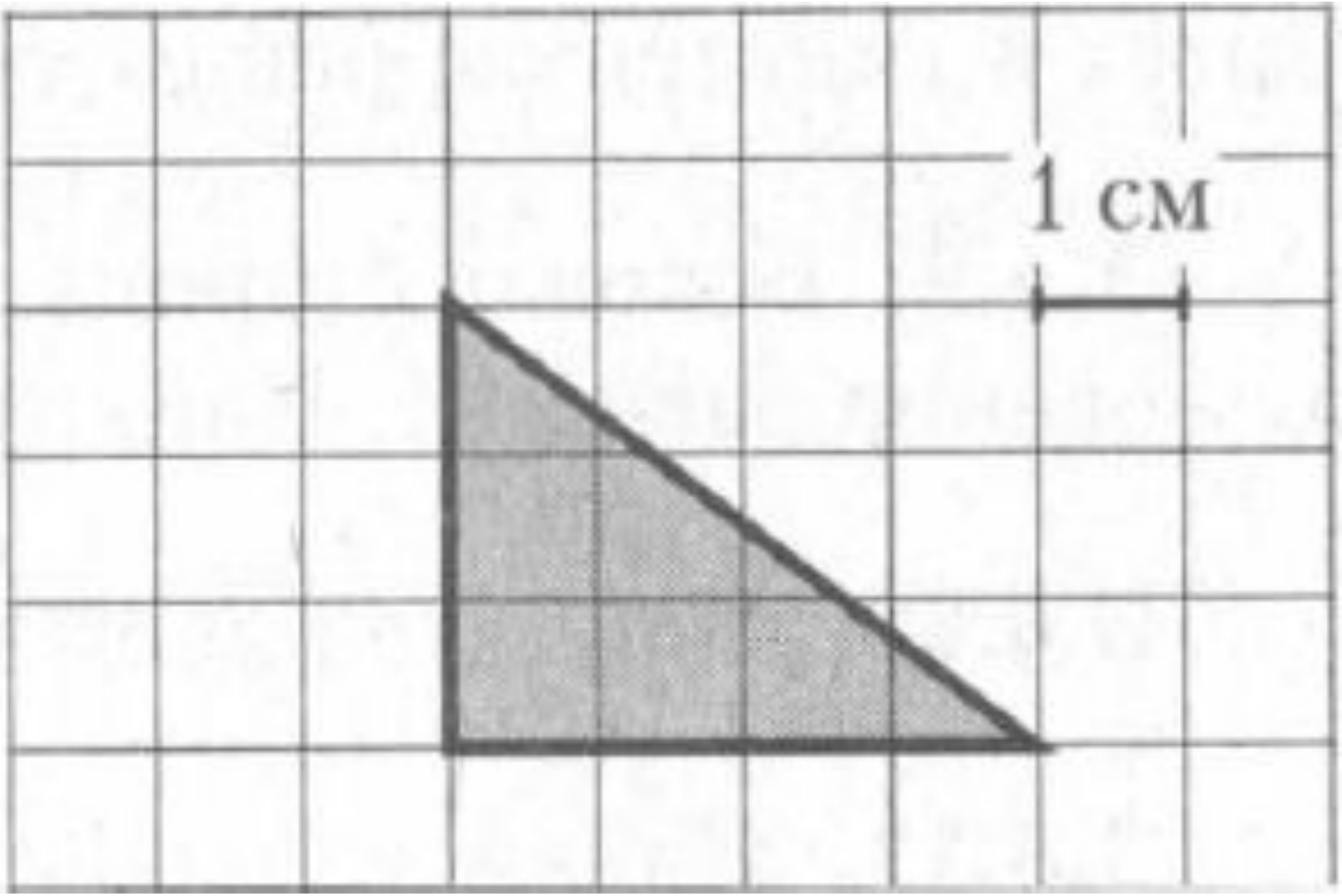


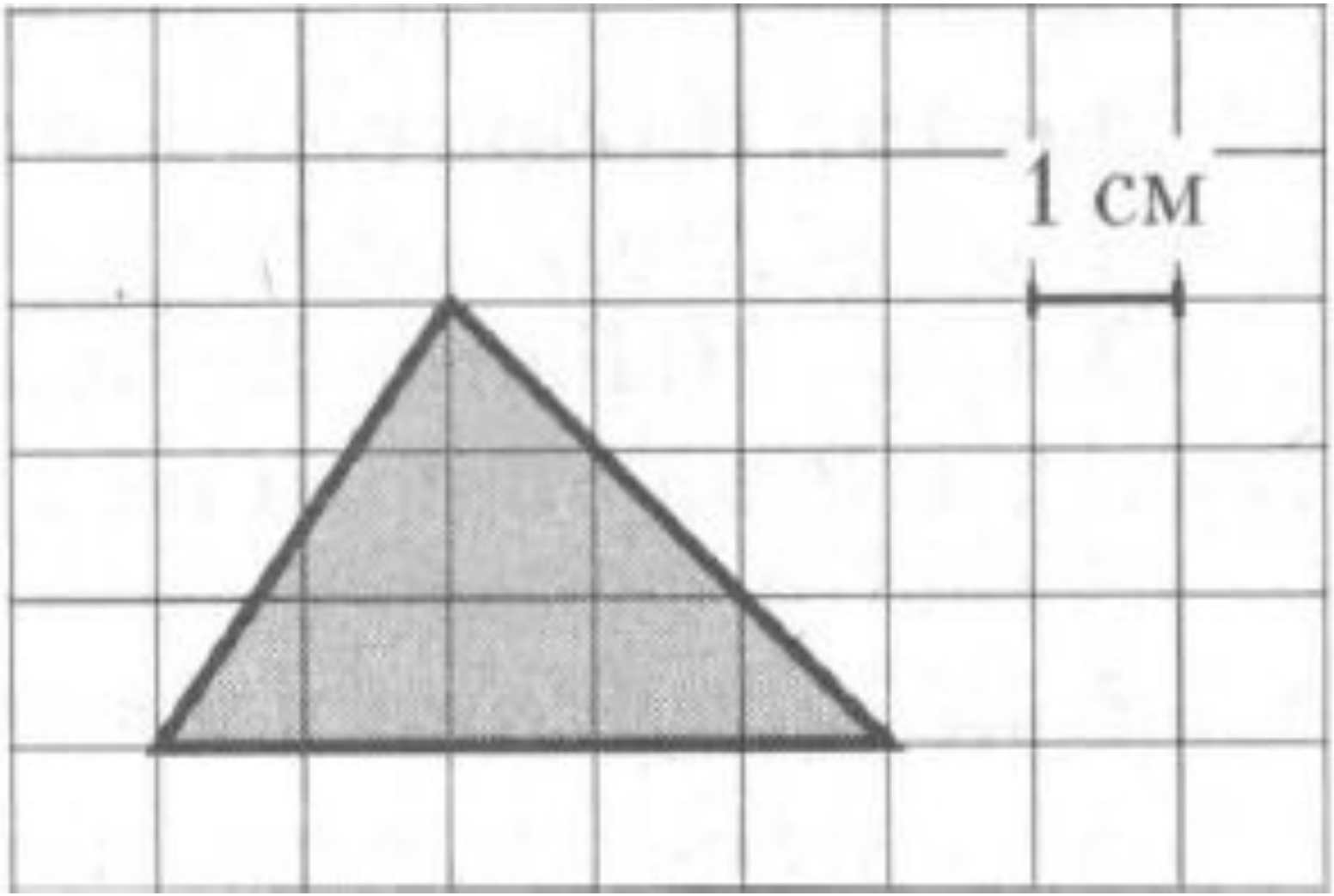
Если $\angle C = \angle M$,

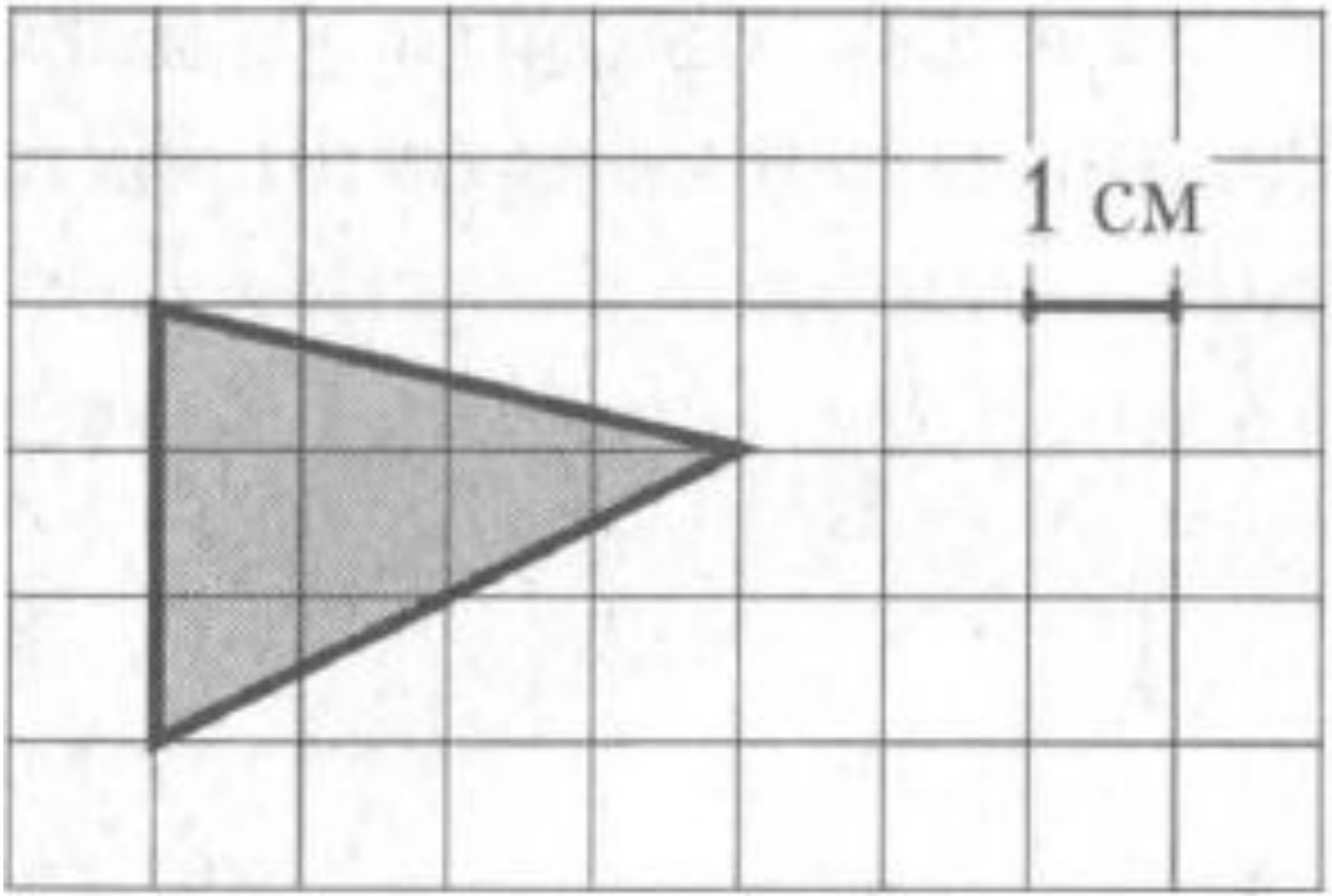
то

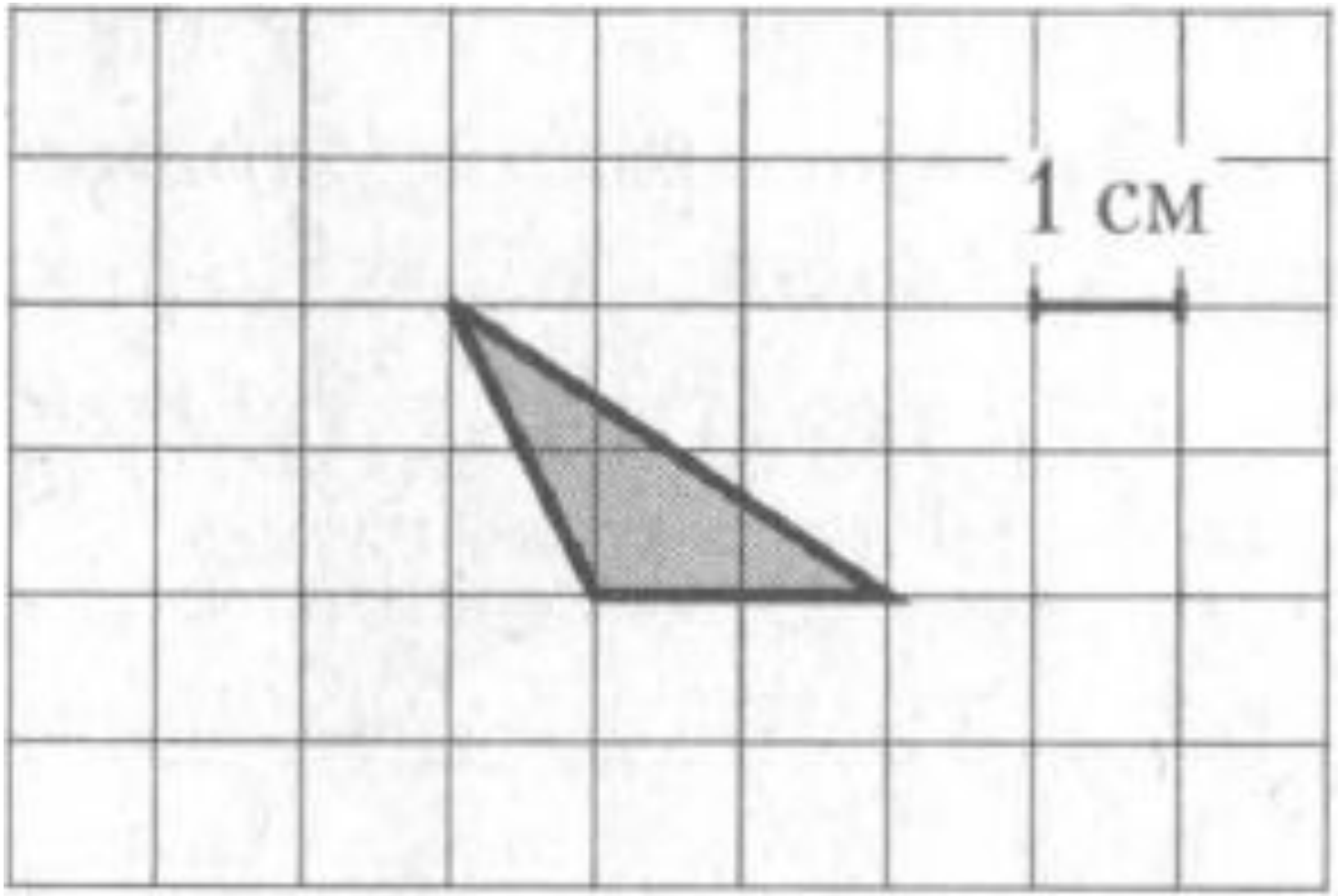


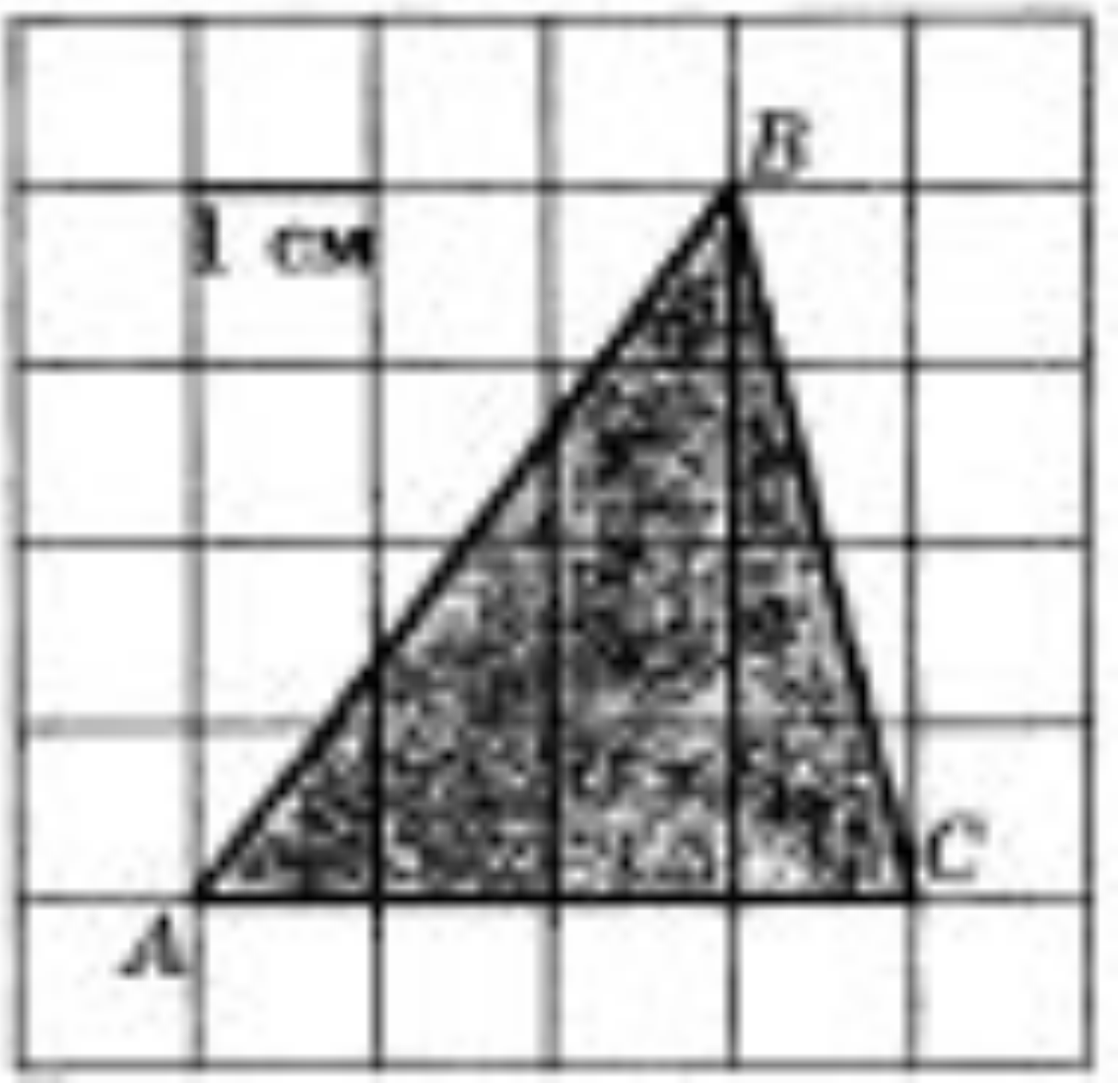
$$\frac{S_{\triangle ABC}}{S_{\triangle NKM}} = \frac{CB \cdot CA}{MK \cdot MN}$$


1 см

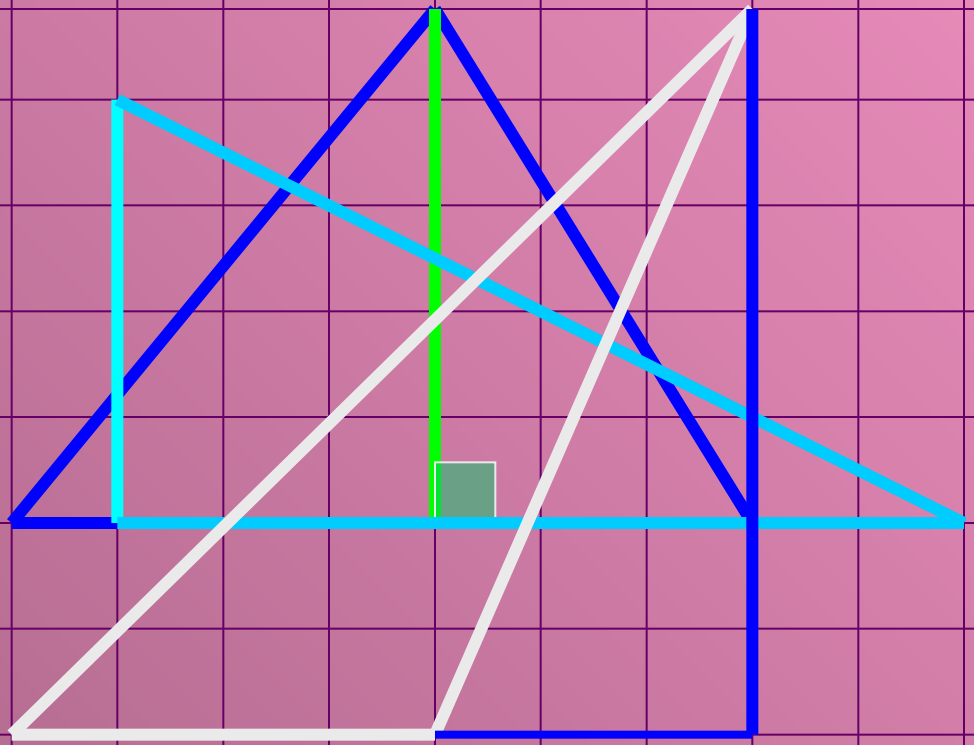

1 см


1 см


1 см


B
1 см
C
A

Найти площадь каждой фигуры, если сторона клетки равна 1 см



Пример:

Отрезки AB и CD пересекаются в точке O так, что AO = 4; OB = 9;

CO = 5; OD = 8;

$S_{\Delta AOC} = 15.$

$S_{\Delta BOD} = ?$