

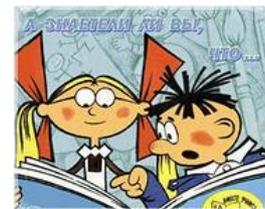
*Нет царского пути в геометрию.*



**Решение задач по теме**  
**«Площадь**  
**параллелограмма,**  
**треугольника,**  
**трапеции»**



# Формулы площадей



$$S = a^2$$

$$S = a \cdot b$$

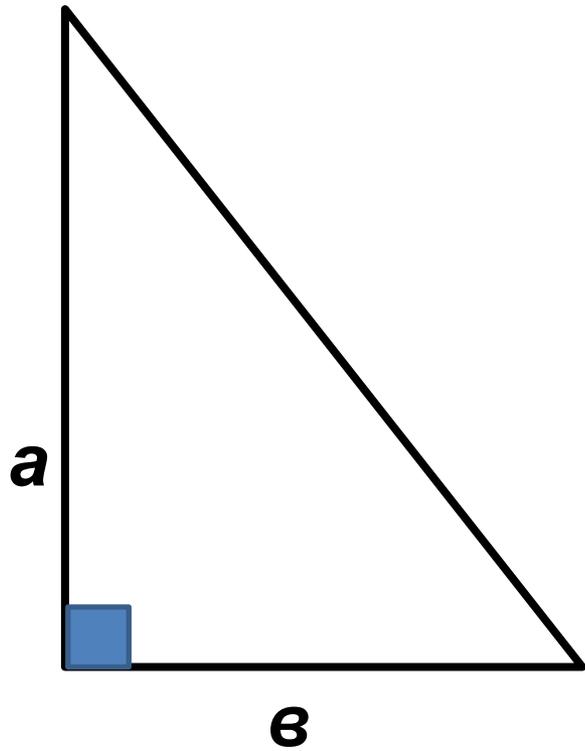
$$S = a \cdot h$$

$$S = \frac{a \cdot h}{2}$$

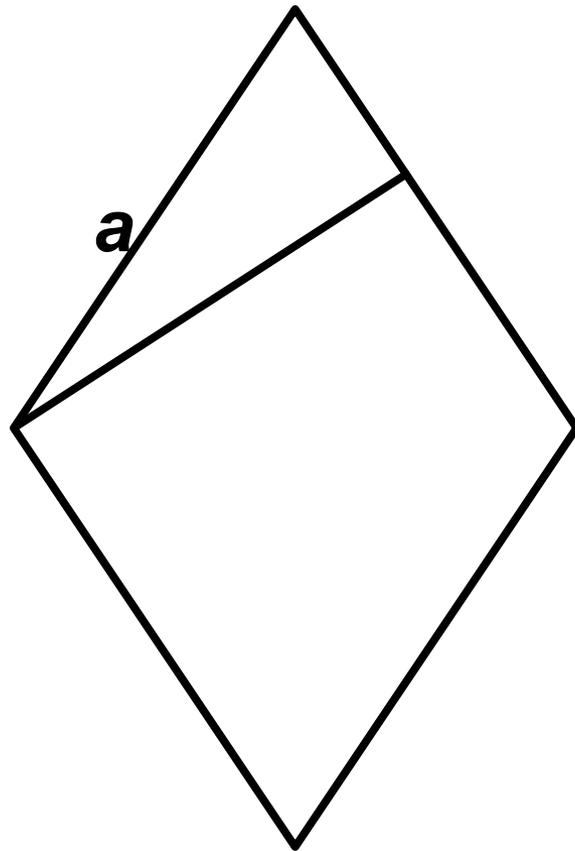
$$S = \frac{d_1 \cdot d_2}{2}$$

$$S = \frac{1}{2}(a + b)h$$

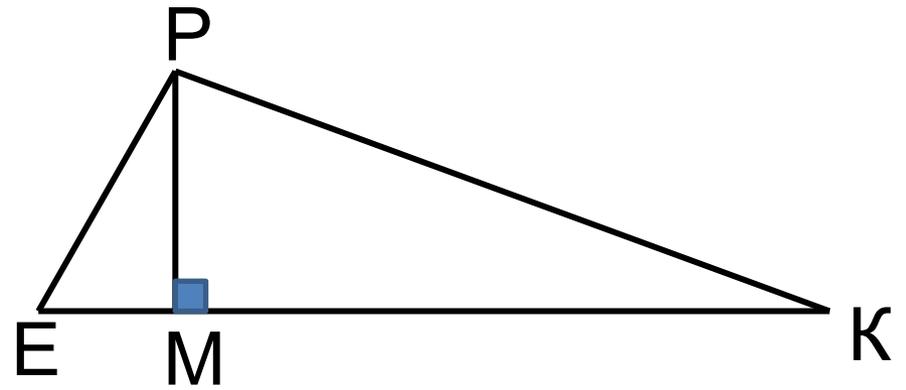
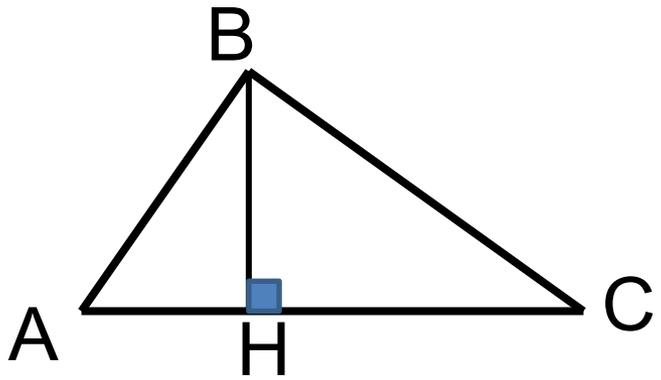




$$S =$$

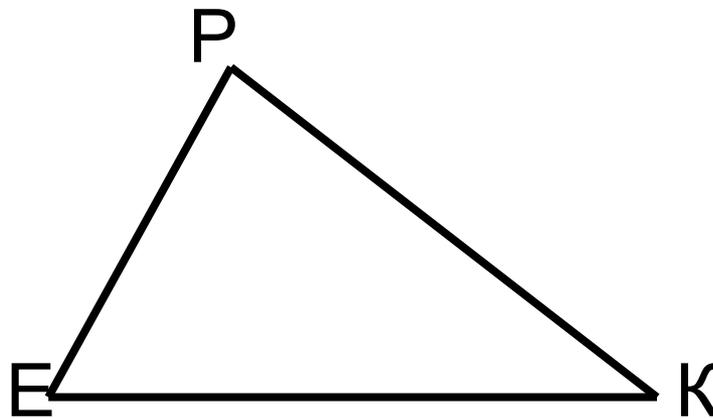
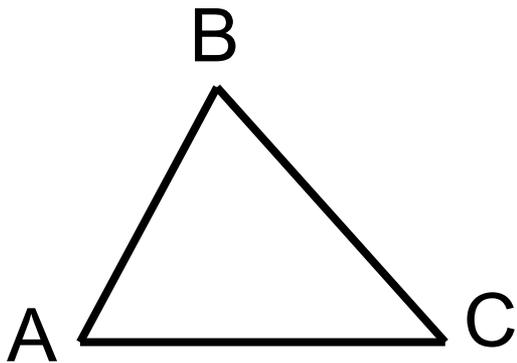


$$S =$$



**BH =**  
**PM**

$$\frac{S_{ABC}}{S_{EPK}} = \underline{\hspace{2cm}}$$



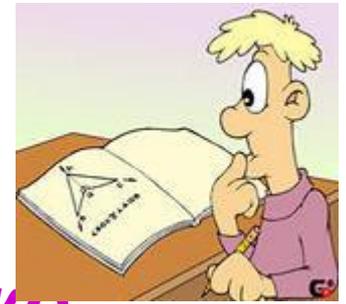
$$\angle A = \angle E$$

$$\frac{S_{ABC}}{S_{EPK}} = \underline{\hspace{10em}}$$

# Ответы к тесту



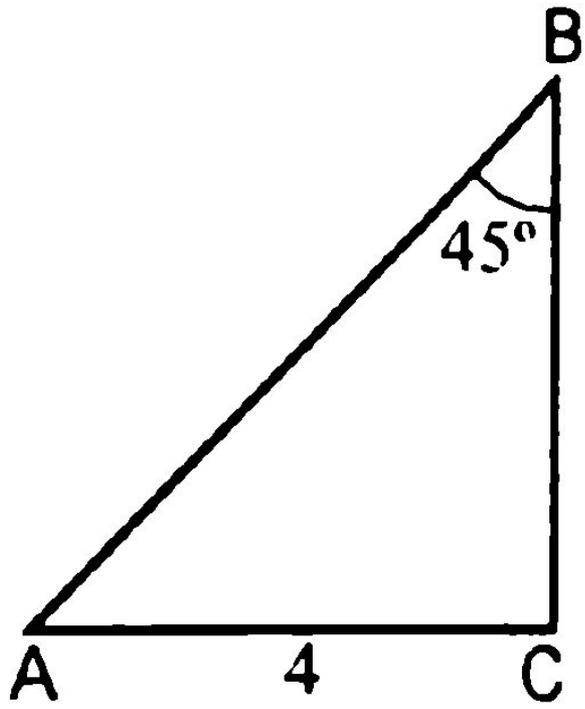
	1	2	3	4	5	6	7
I вариант	б	в	а	в	б	а	б
II вариант	в	б	в	а	б	в	а

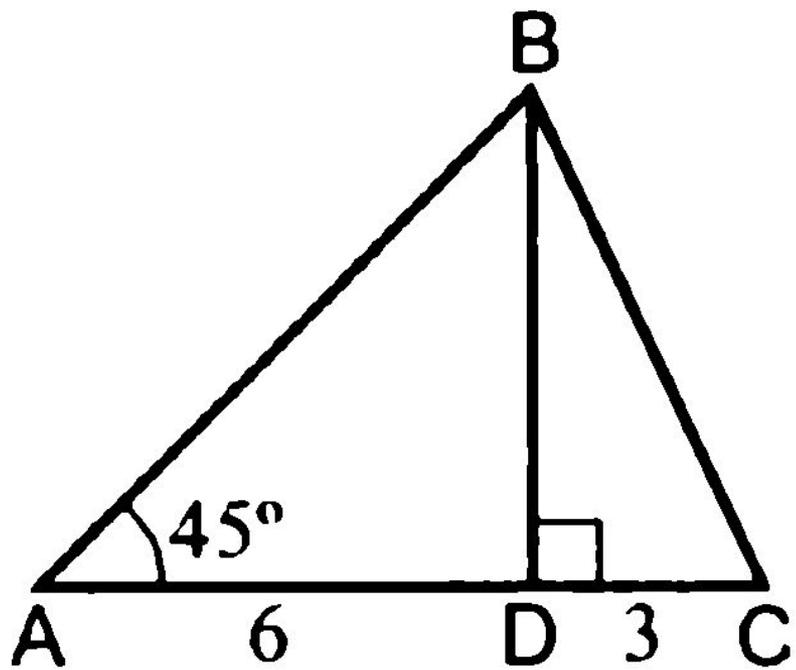


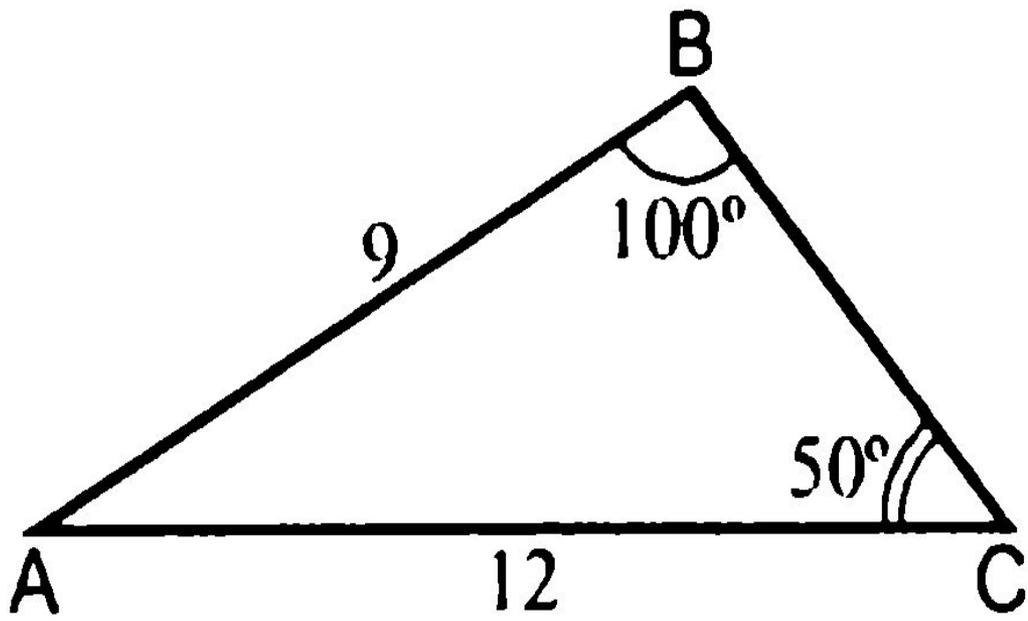
*Умение решать задачи - такое же практическое искусство, как умение плавать или бегать на лыжах. Ему можно научиться только путём подражания или упражнения.*

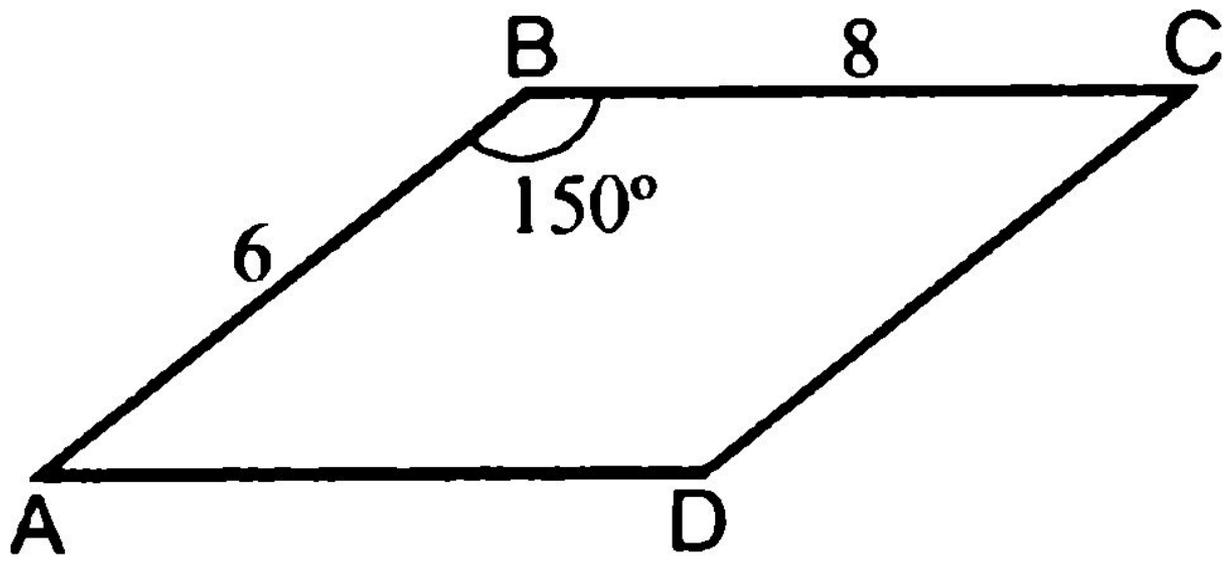
*Д. Пойа*





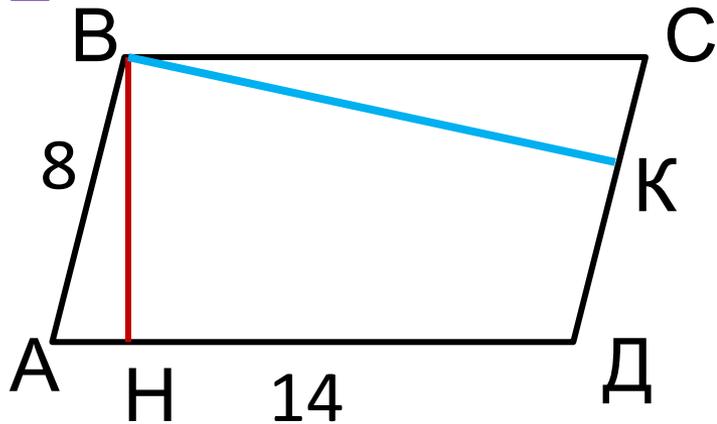






# Задача

2



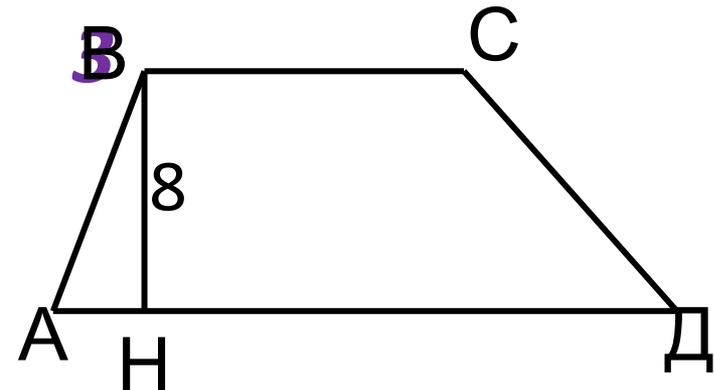
2

~~ВН~~ группа

4

$$S_{ABCD} = ? \quad BK = ?$$

## Задача



2

группа

$$S_{ABCD} = 320 \text{ см}^2$$

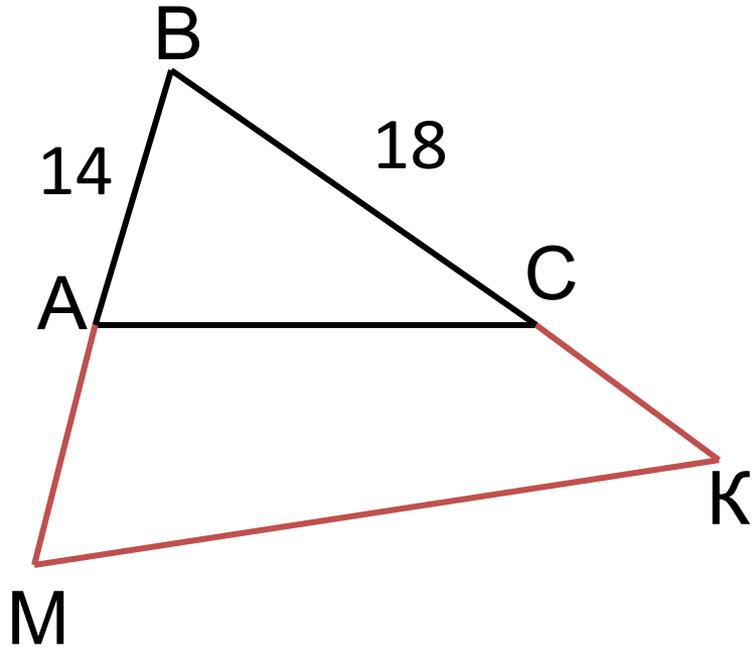
$$BH = 8$$

BC сост. 60% от AD

$$AD = ? \quad BC = ?$$

# Задача

4



2

*группа*

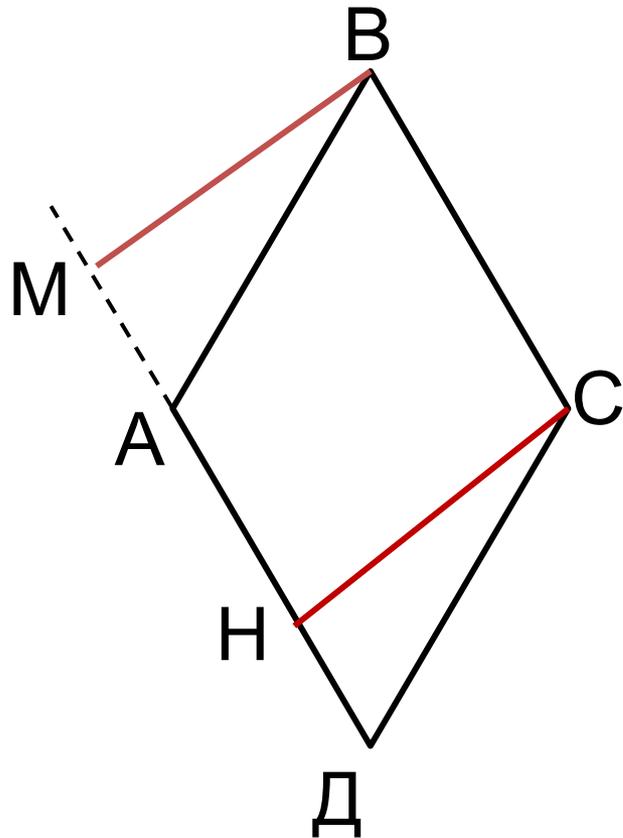
$$AM = AB ; CK = \frac{1}{2} BC$$

$$S_{ABC} = 126$$

$$S_{MBK} = ?$$

# Задача

5

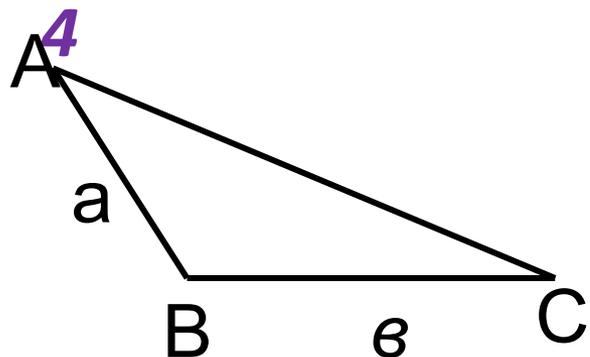


$$S_{ABCD} = 67$$

2  
группа

$$S_{MBCH} = ?$$

## Задача



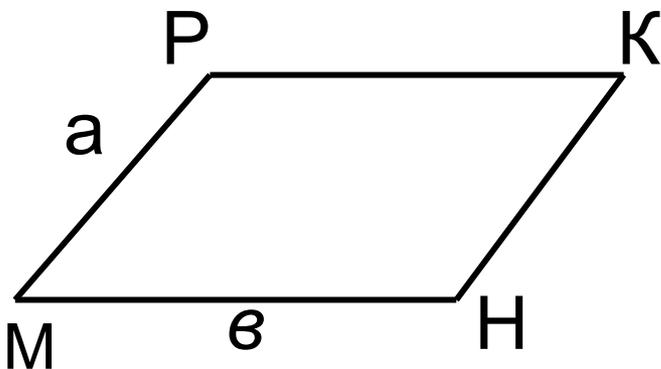
3

*группа*

$$\angle B = 139^\circ; AB = a; BC = b$$

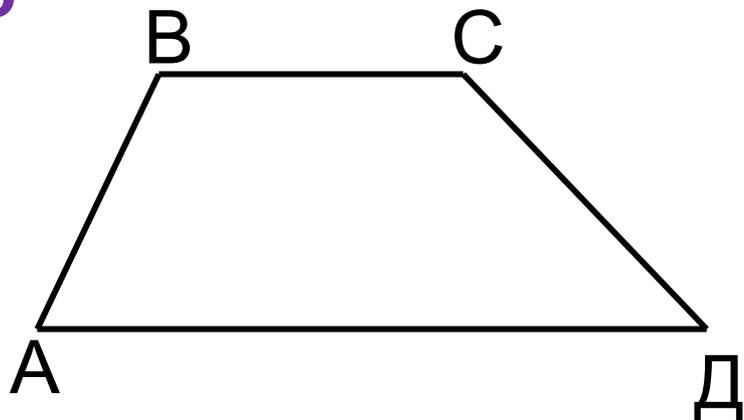
$$\angle M = 50^\circ; MP = a; MH = b$$

$$\frac{S_{ABC}}{S_{MPKH}} = ?$$



# Задача

5



3

*группа*

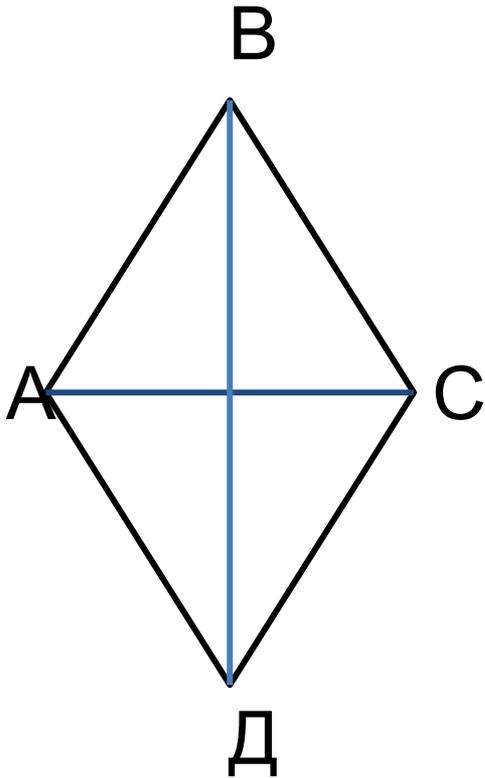
$$BC : AD = 3 : 4$$

$$S_{ABCD} = 70$$

$$S_{ABC} = ?$$

**Задача**

**3**



**1**

**группа**

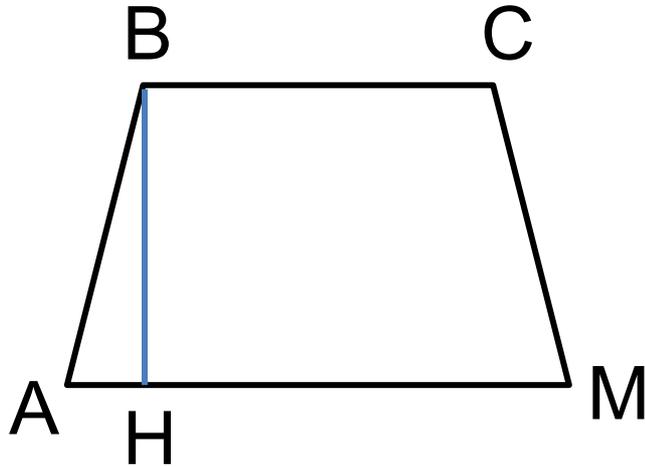
$$AC : BD = 2 : 3$$

$$AB + BD = 25$$

$$S_{ABCD} = ?$$

# Задача

4



1

*группа*

$$AB = CM; AM = 20$$

$$AH = 6; \angle BAM = 45^\circ$$

$$S_{ABCM} = ?$$

Вы справились!

Молодцы!