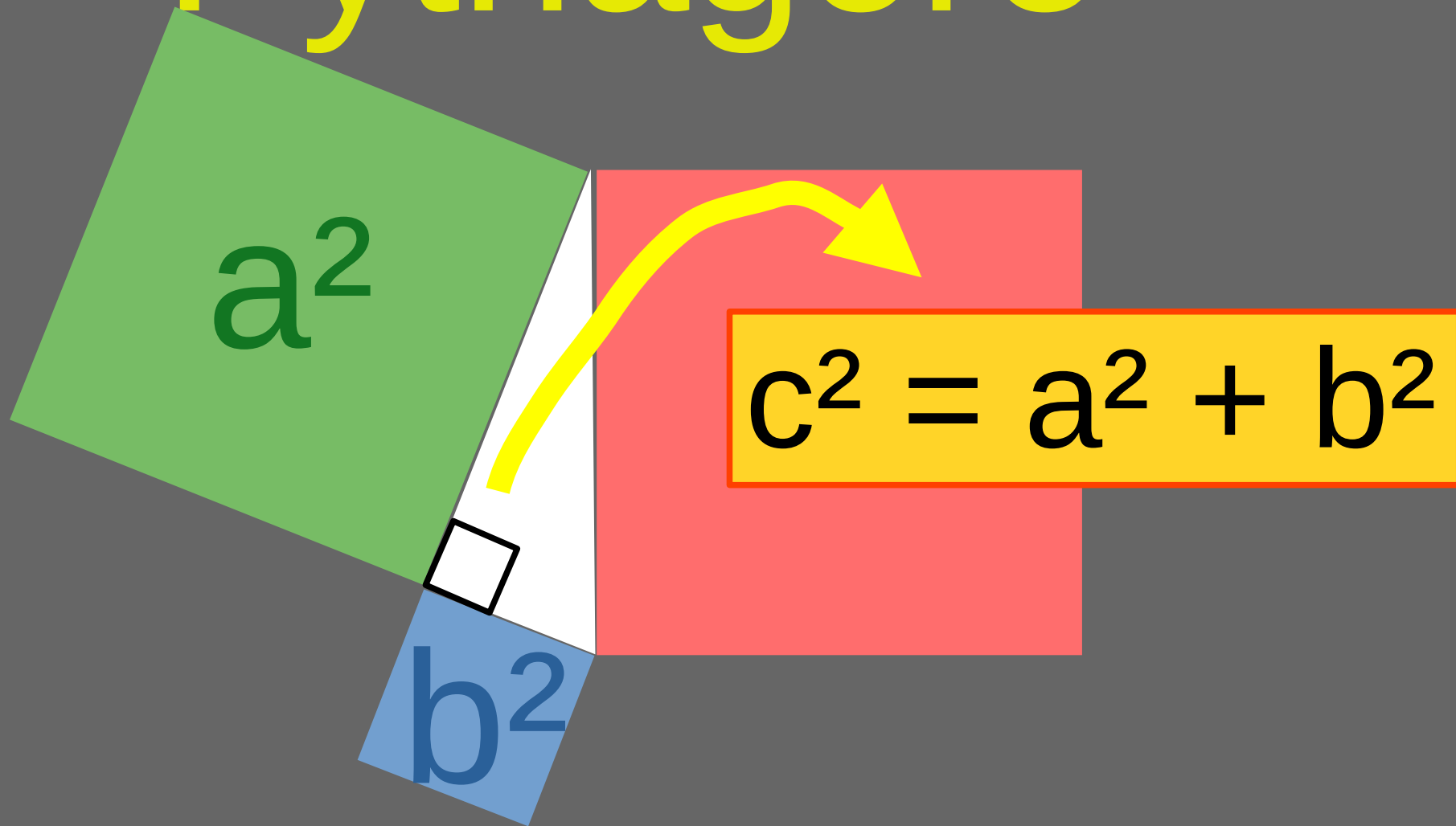


Questions Flash

*Pythagore
et fractions*

Rappels :

Théorème de Pythagore



Fractions :
même
dénominateur :

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

Fractions :
même
dénominateur :

$$\frac{a}{c} - \frac{b}{c} = \frac{a-b}{c}$$

En piste !

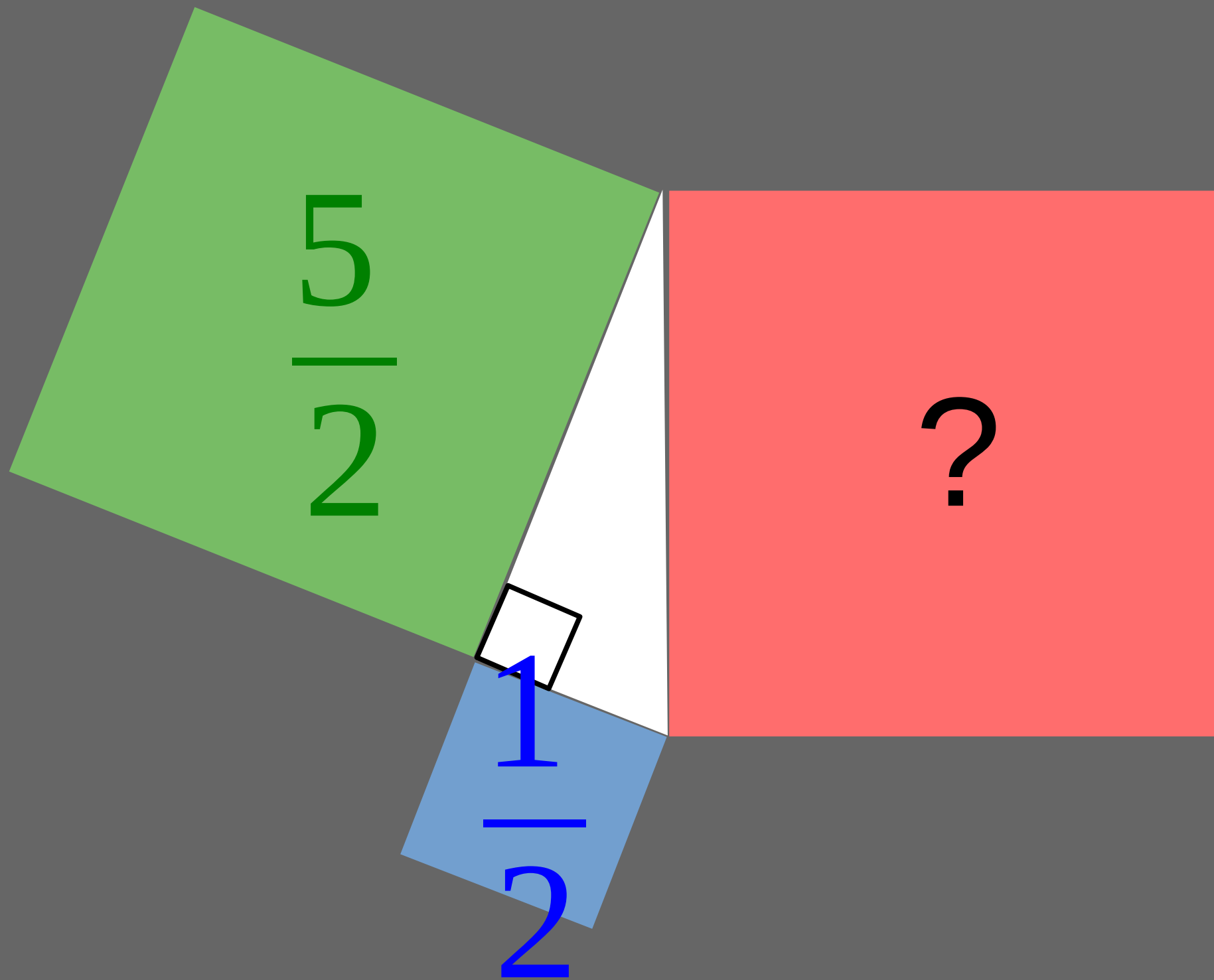
Ting

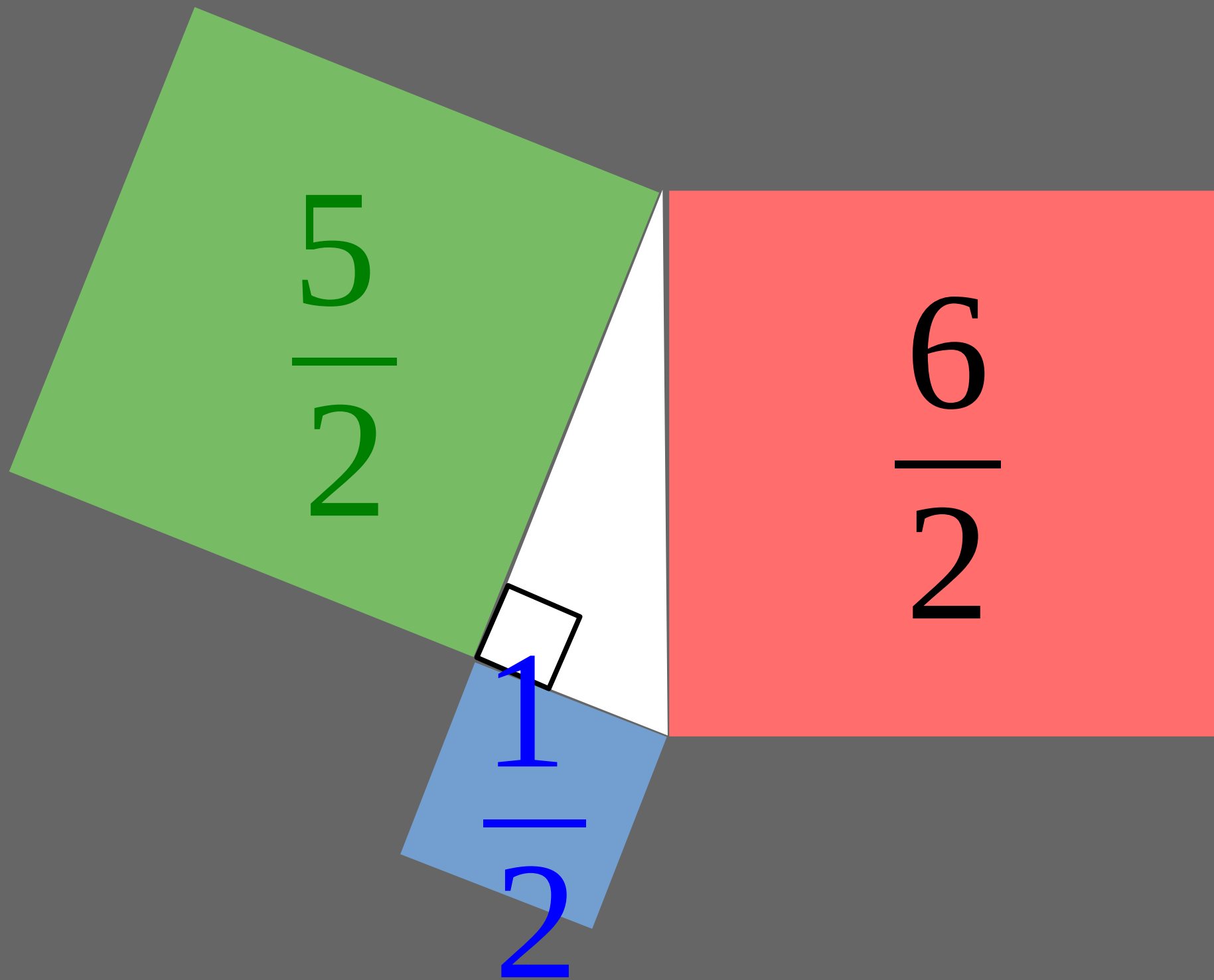
Ting

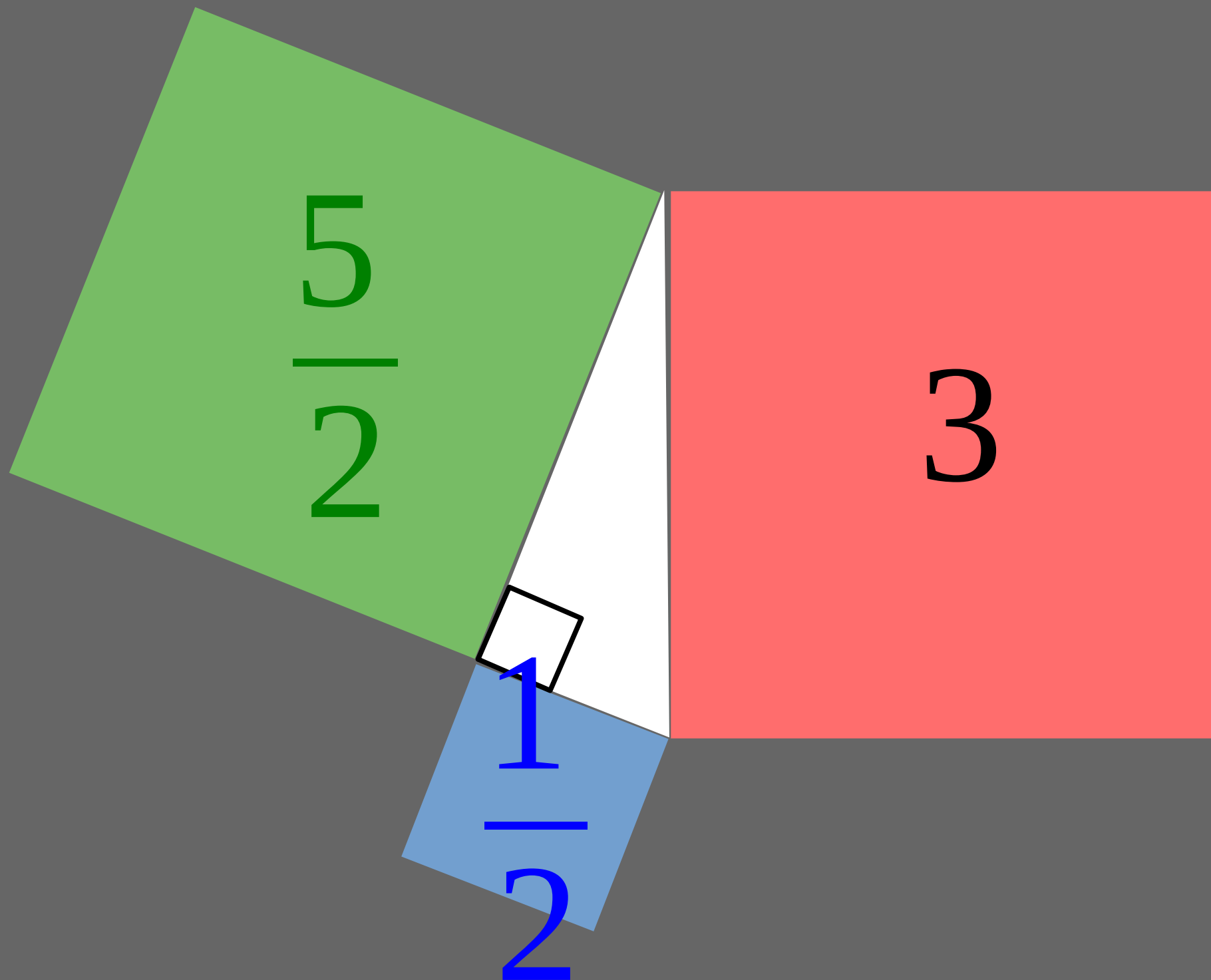
Ting

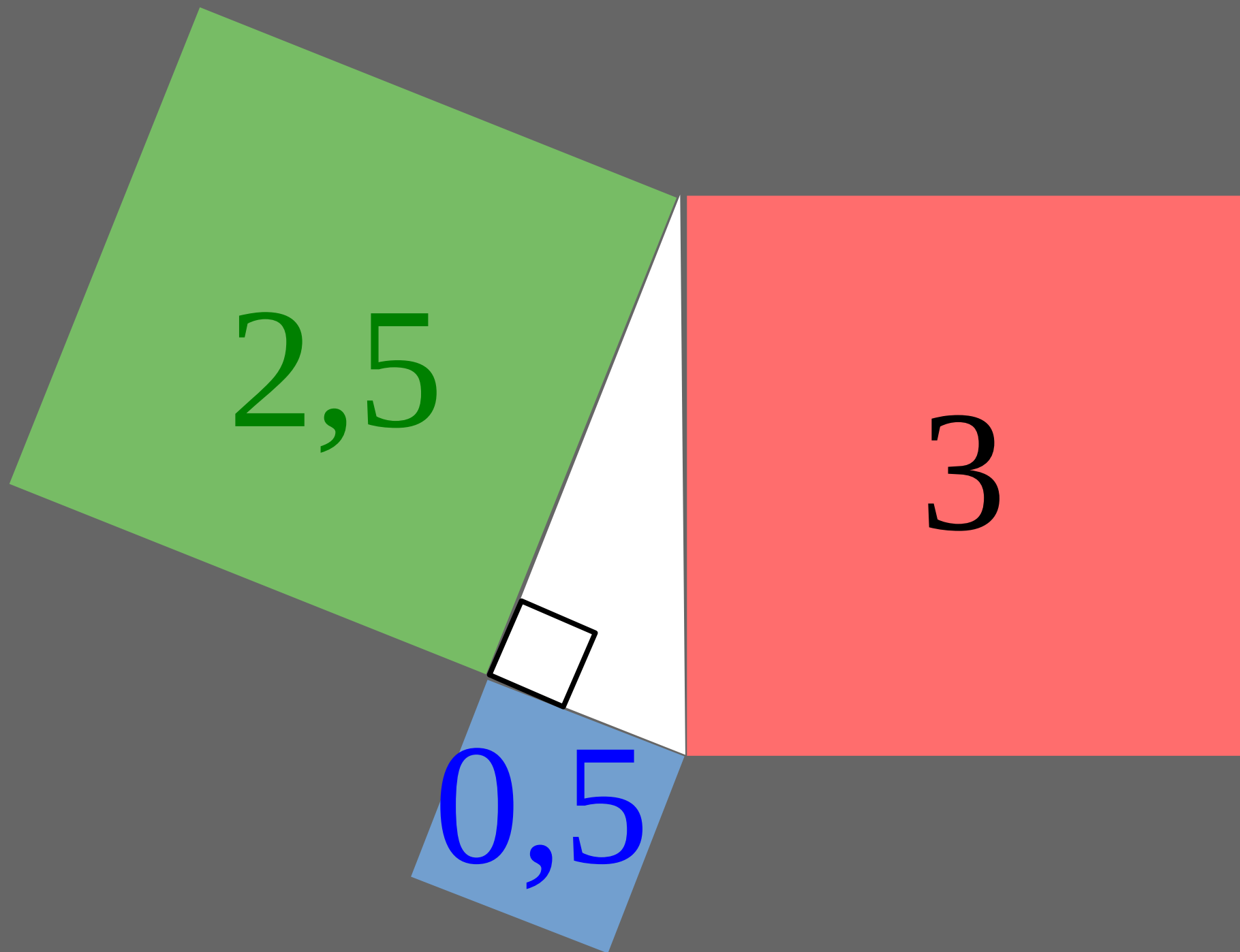
C'est parti !

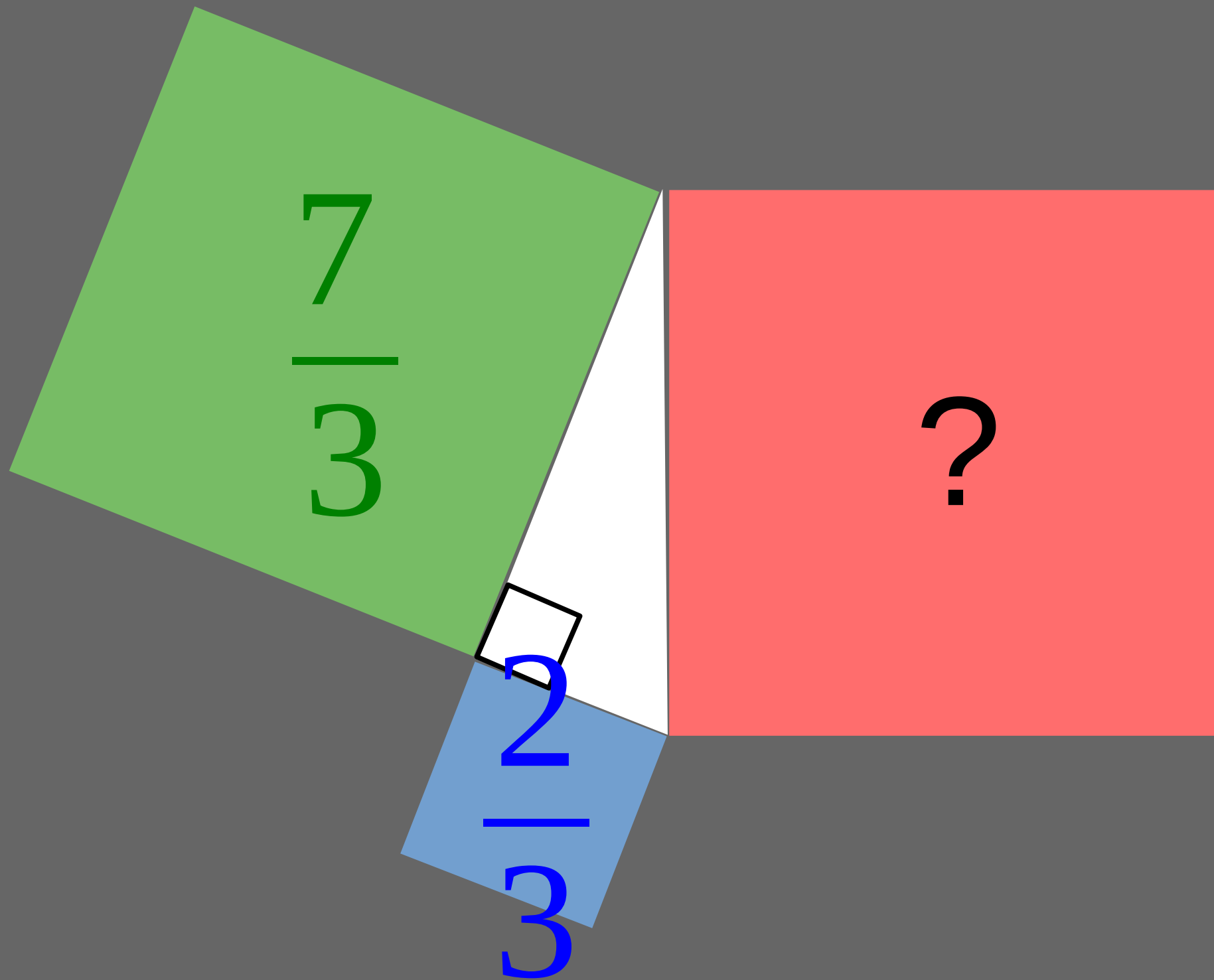
Calcule
l'aire
du carré rouge







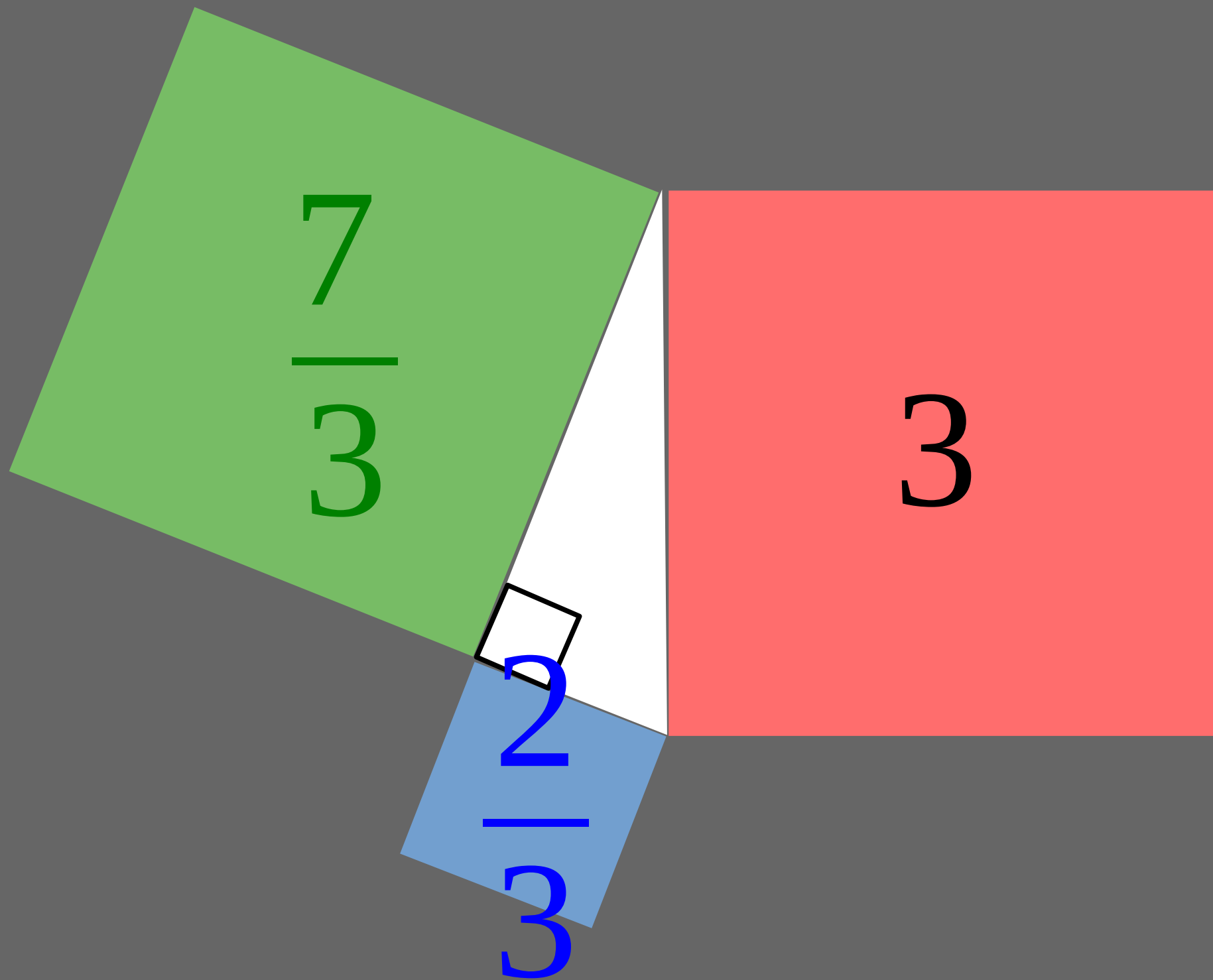




$$\frac{9}{3}$$

$$\frac{2}{3}$$

$$\frac{7}{3}$$



$\frac{14}{5}$

?

$\frac{2}{5}$


$$\frac{14}{5}$$

$$\frac{16}{5}$$

$$\frac{2}{5}$$

$$\frac{14}{5}$$

$$\frac{15}{5} + \frac{1}{5}$$

$$\frac{2}{5}$$


$$\frac{14}{5}$$

$$3 + \frac{1}{5}$$

$$\frac{2}{5}$$

$$\begin{array}{r} 44 \\ \hline 11 \end{array}$$

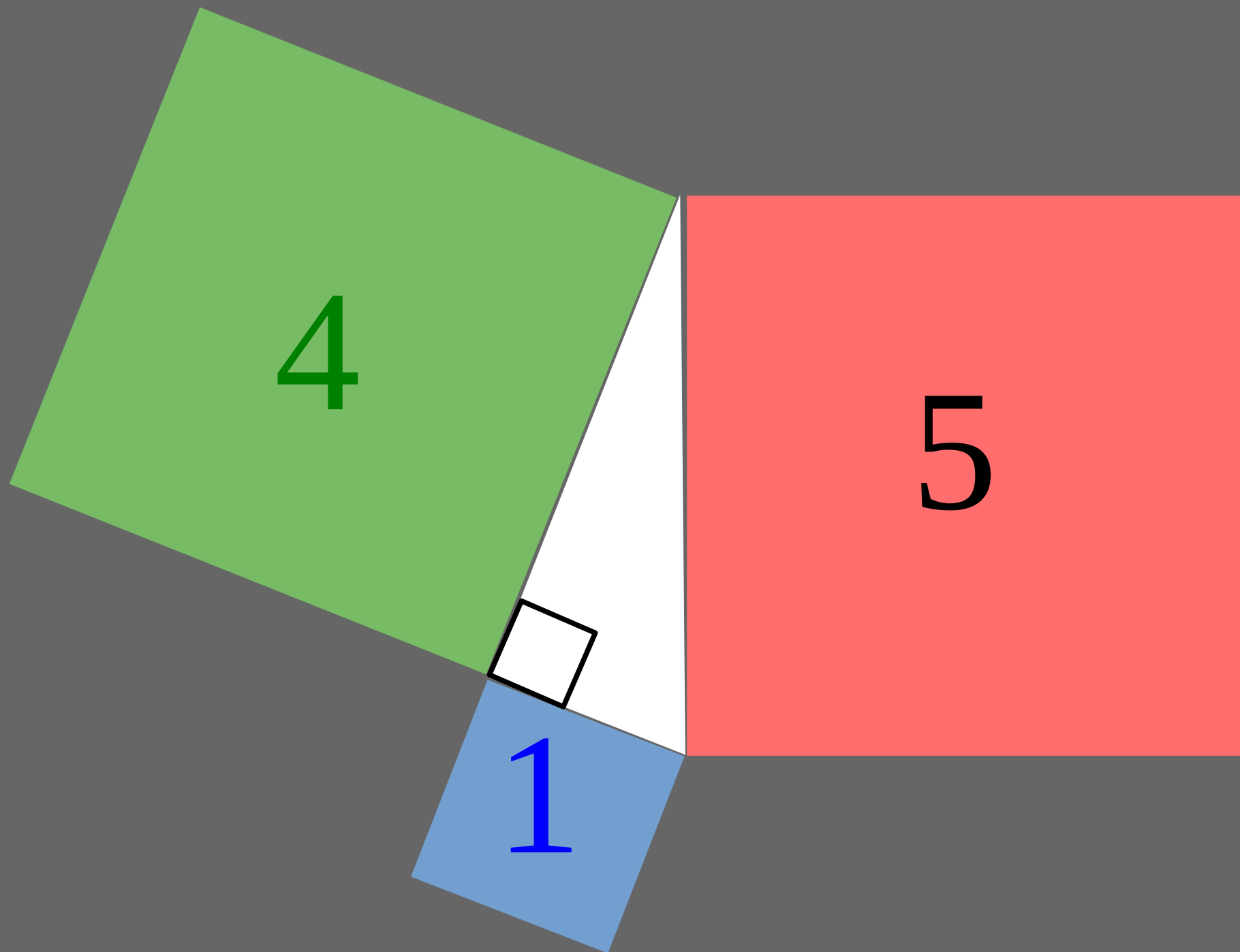
?

$$\begin{array}{r} 11 \\ \hline 11 \end{array}$$

$$\frac{44}{11}$$

$$\frac{55}{11}$$

$$\frac{11}{11}$$




$$\frac{19}{17}$$

?

$$\frac{16}{17}$$


$$\frac{19}{17}$$

$$\frac{35}{17}$$

$$\frac{16}{17}$$


$$\frac{19}{17}$$

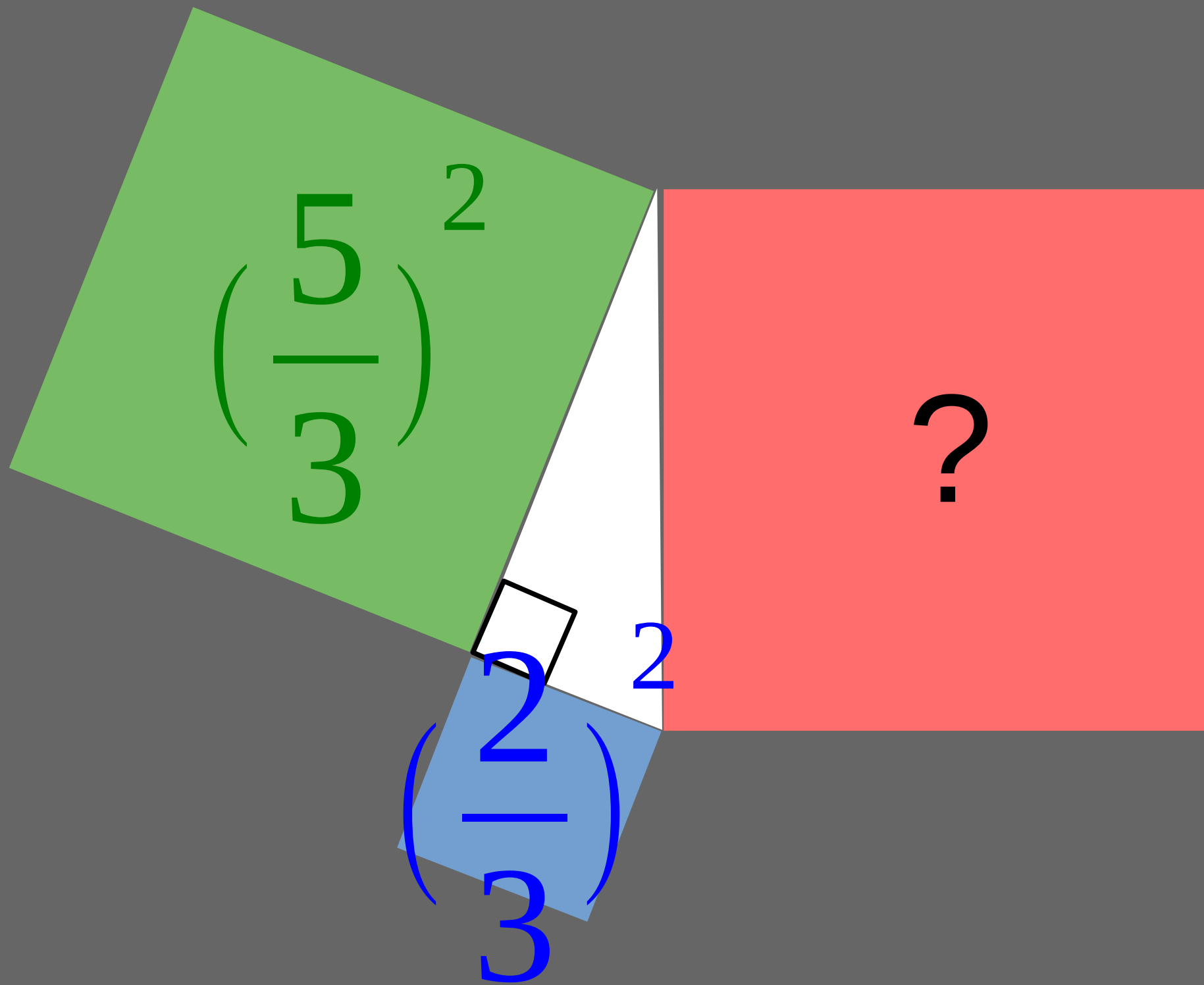
$$\frac{34}{17} + \frac{1}{17}$$

$$\frac{16}{17}$$


$$\frac{19}{17}$$

$$2 + \frac{1}{17}$$

$$\frac{16}{17}$$



Rappel :

Fractions :
multiplication :

$$\frac{e}{f} \times \frac{g}{h} = \frac{e \times g}{f \times h}$$

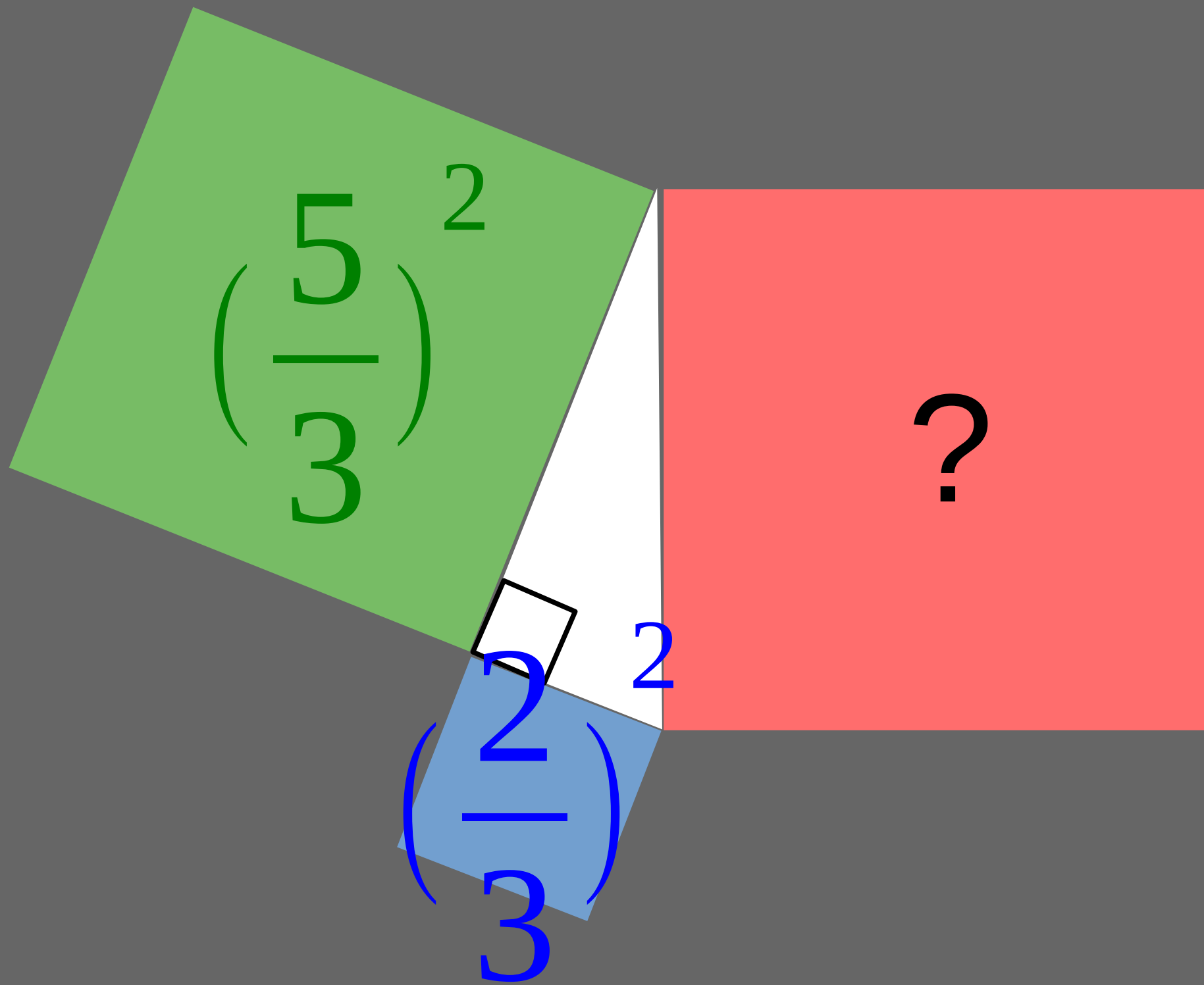
Fractions :

multiplication :

$$\frac{e}{f} \times \frac{e}{f} = \frac{e \times e}{f \times f}$$

Fraction
au carré:

$$\left(\frac{e}{f}\right)^2 = \frac{e^2}{f^2}$$



$$\frac{5}{3} \times \frac{5}{3}$$

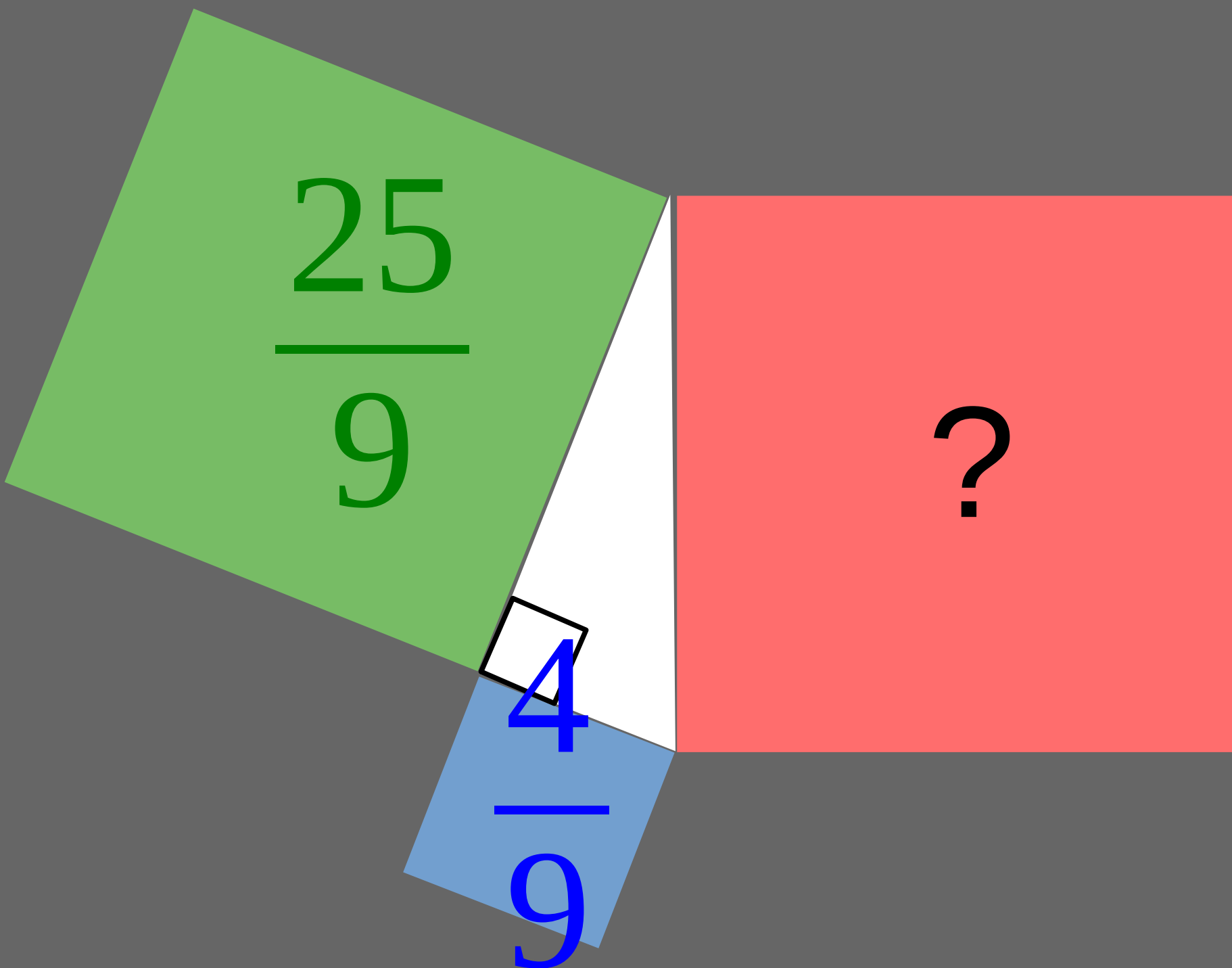
?

$$\frac{2}{3} \times \frac{2}{3}$$

$$\begin{array}{r} 5 \times 5 \\ \hline 3 \times 3 \end{array}$$

?

$$\begin{array}{r} 2 \times 2 \\ \hline 3 \times 3 \end{array}$$


$$\frac{25}{9}$$

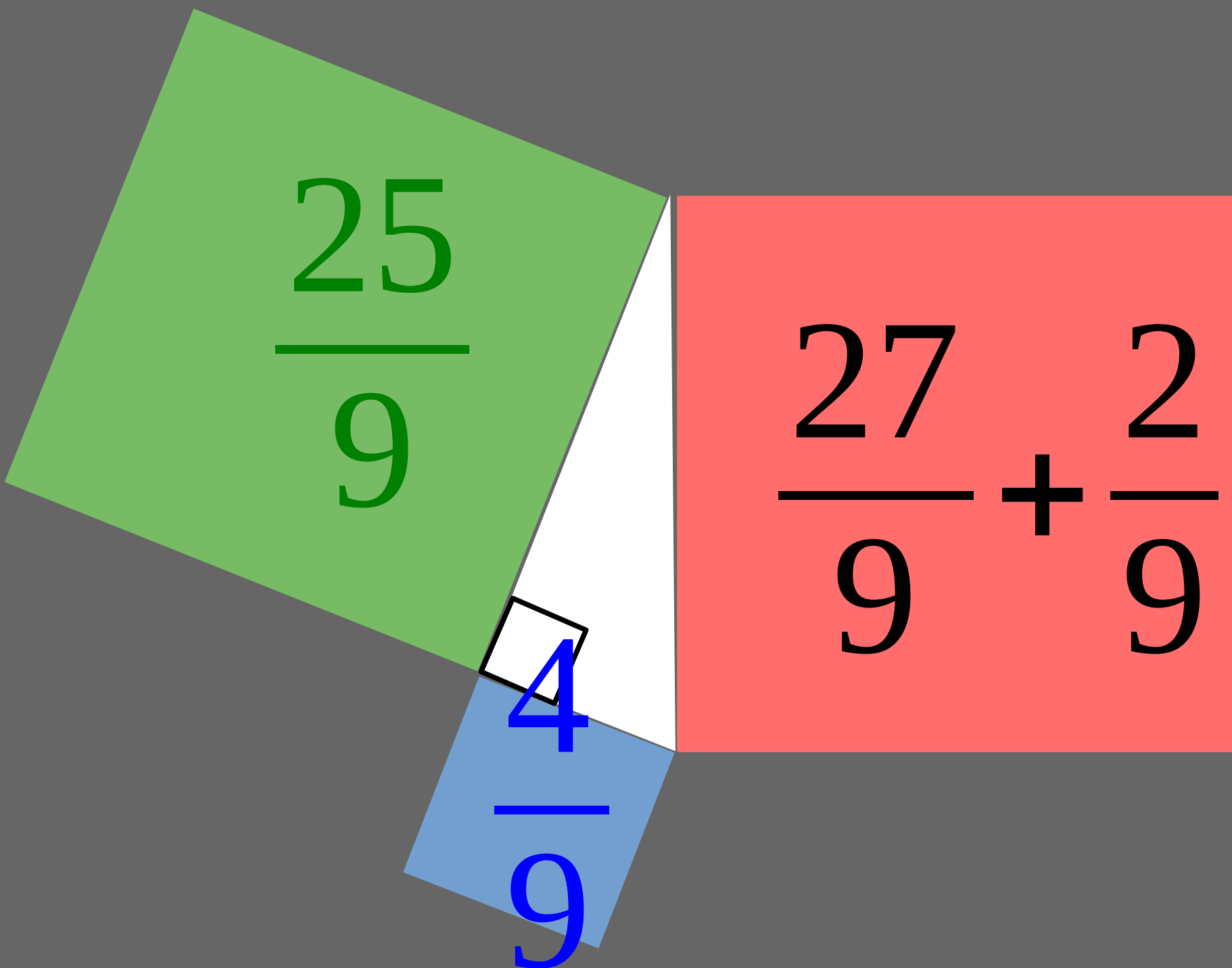
?

$$\frac{4}{9}$$


$$\frac{25}{9}$$

$$\frac{29}{9}$$

$$\frac{4}{9}$$


$$\frac{25}{9}$$

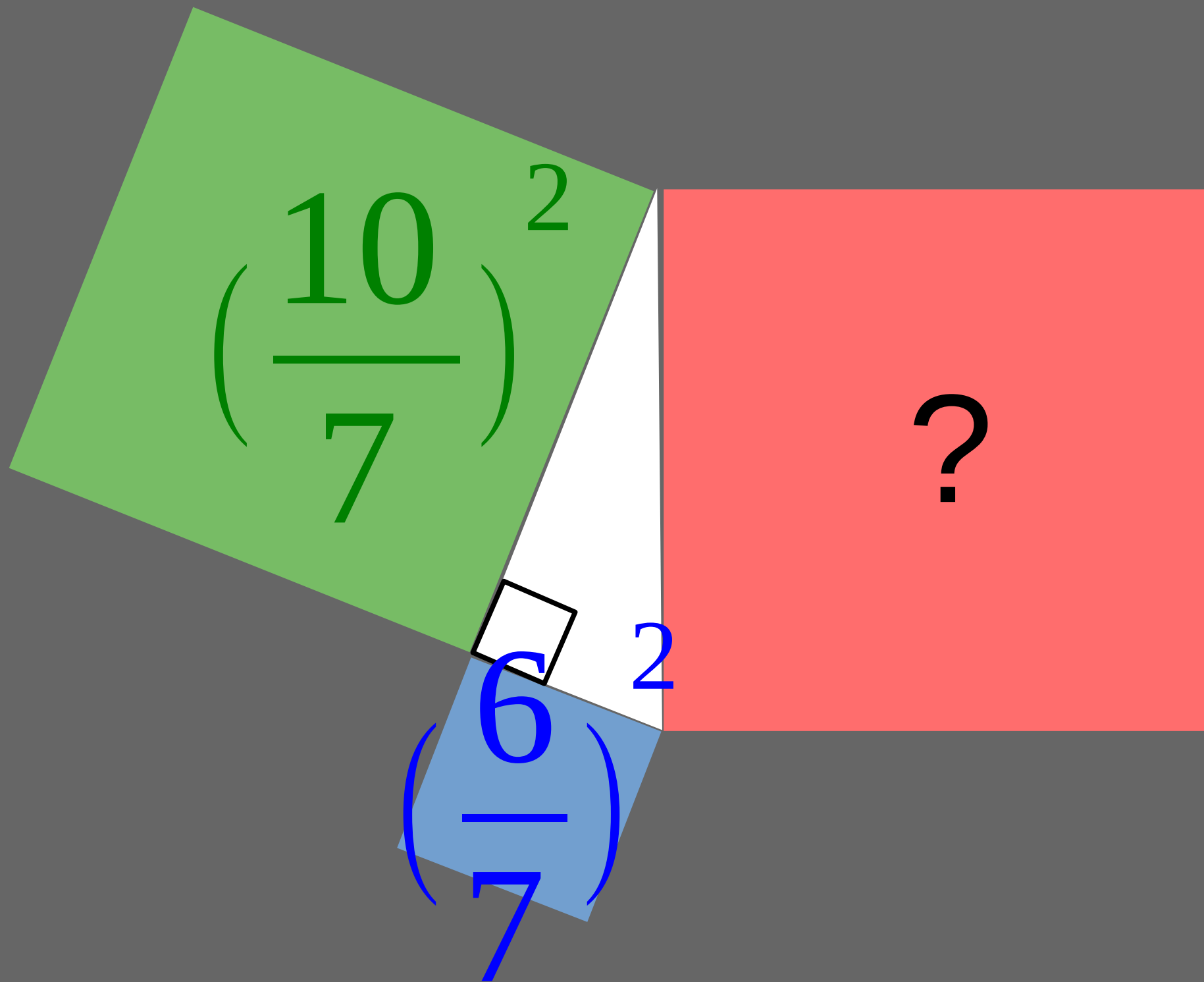
$$\frac{27}{9} + \frac{2}{9}$$

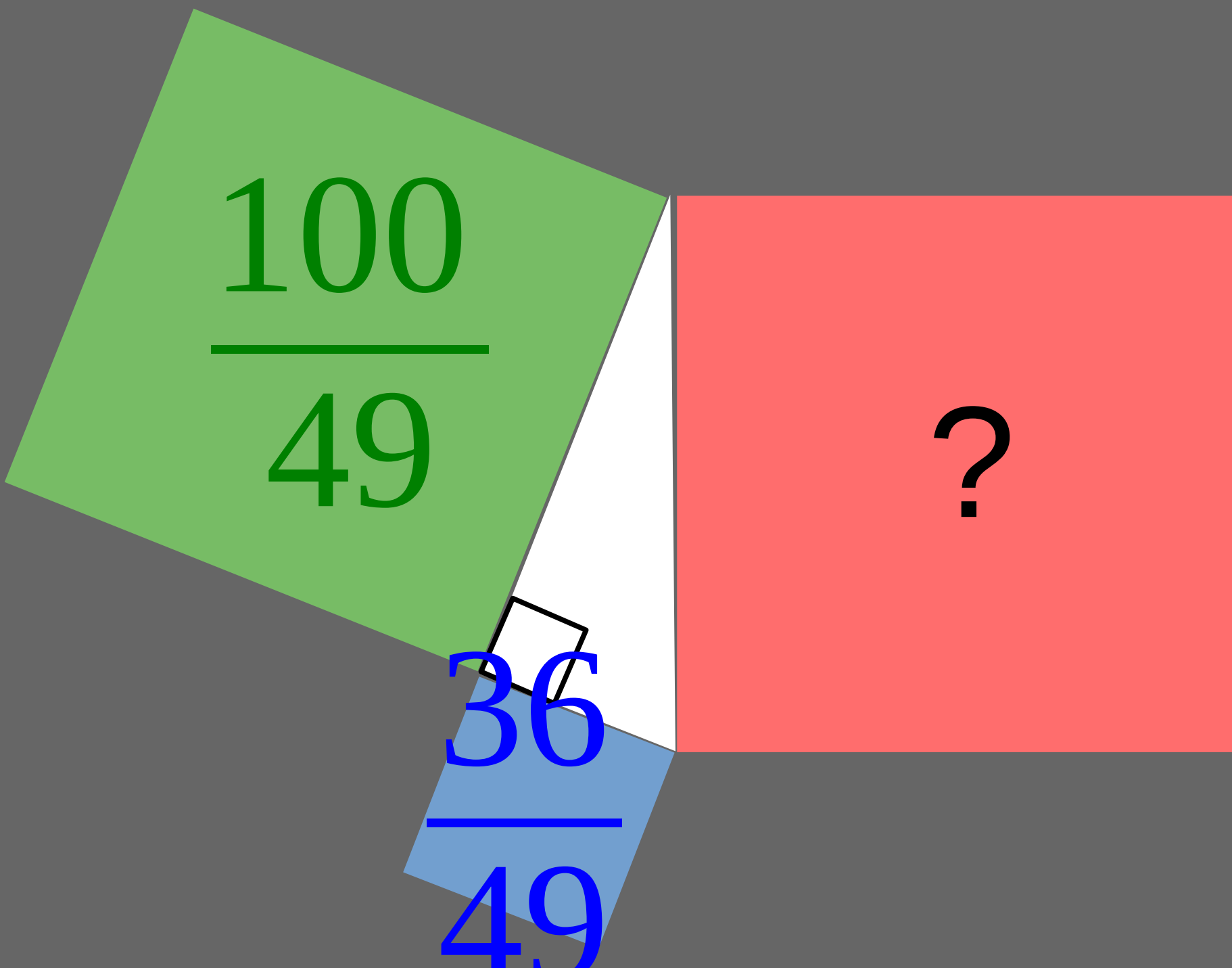
$$\frac{4}{9}$$


$$\frac{25}{9}$$

$$3 + \frac{2}{9}$$

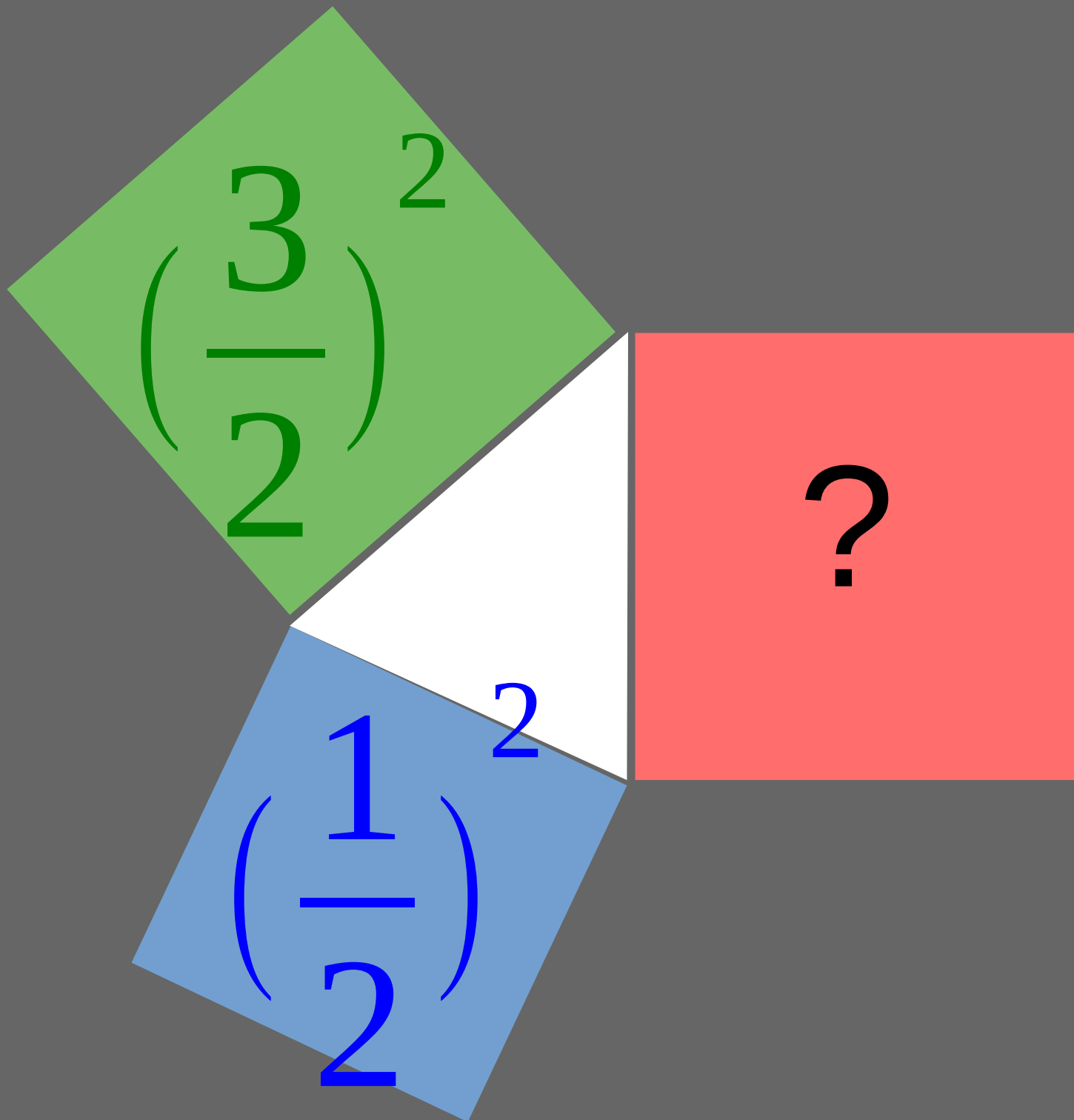
$$\frac{4}{9}$$

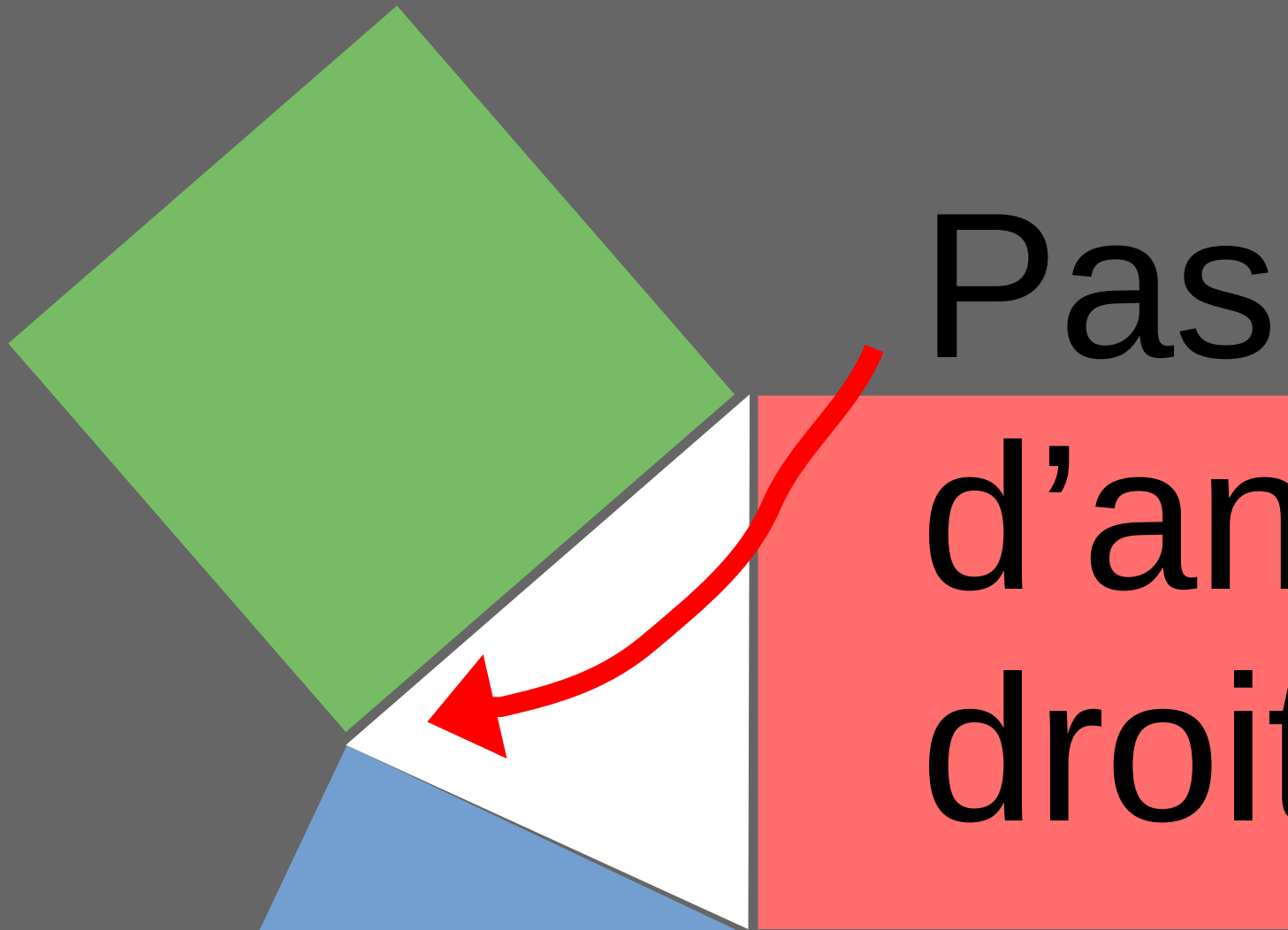



$$\frac{100}{49}$$

?

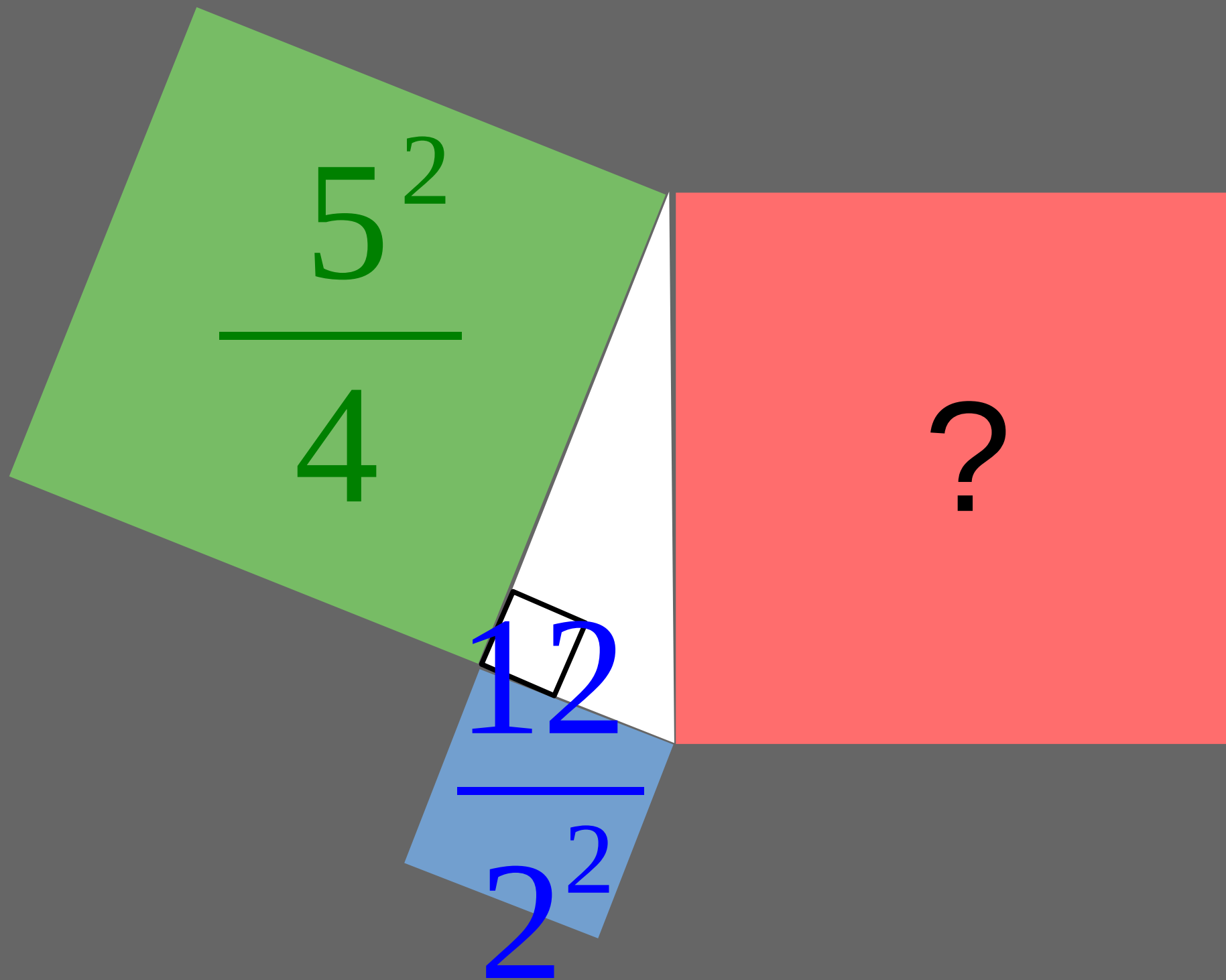
$$\frac{36}{49}$$

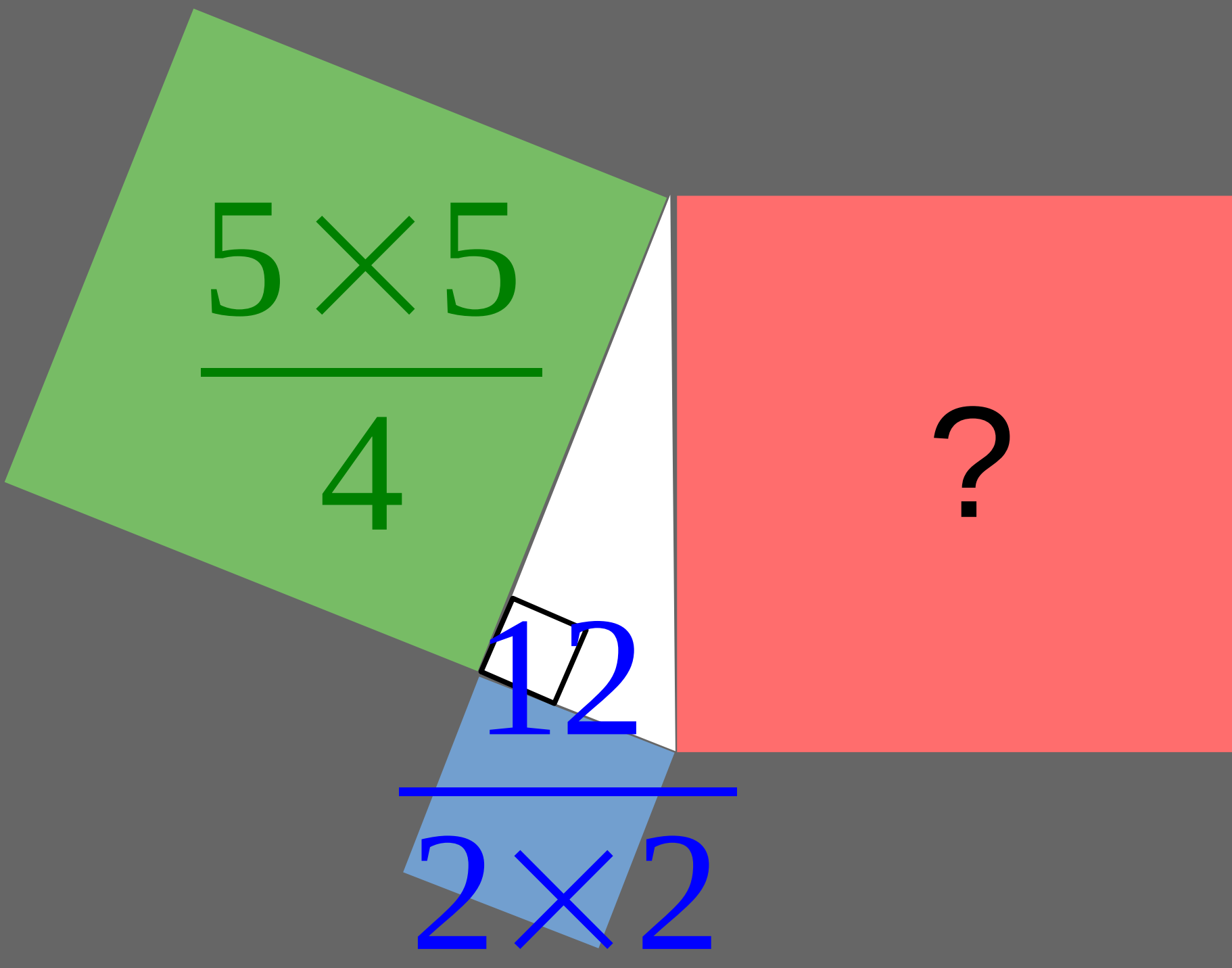




Pas
d'angle
droit :

on ne peut pas
utiliser le théorème




$$\frac{5 \times 5}{4}$$

?

$$\frac{12}{2 \times 2}$$


$$\frac{25}{4}$$

?

$$\frac{12}{4}$$


$$\frac{25}{4}$$

$$\frac{27}{4}$$

$$\frac{12}{4}$$


$$\frac{25}{4}$$

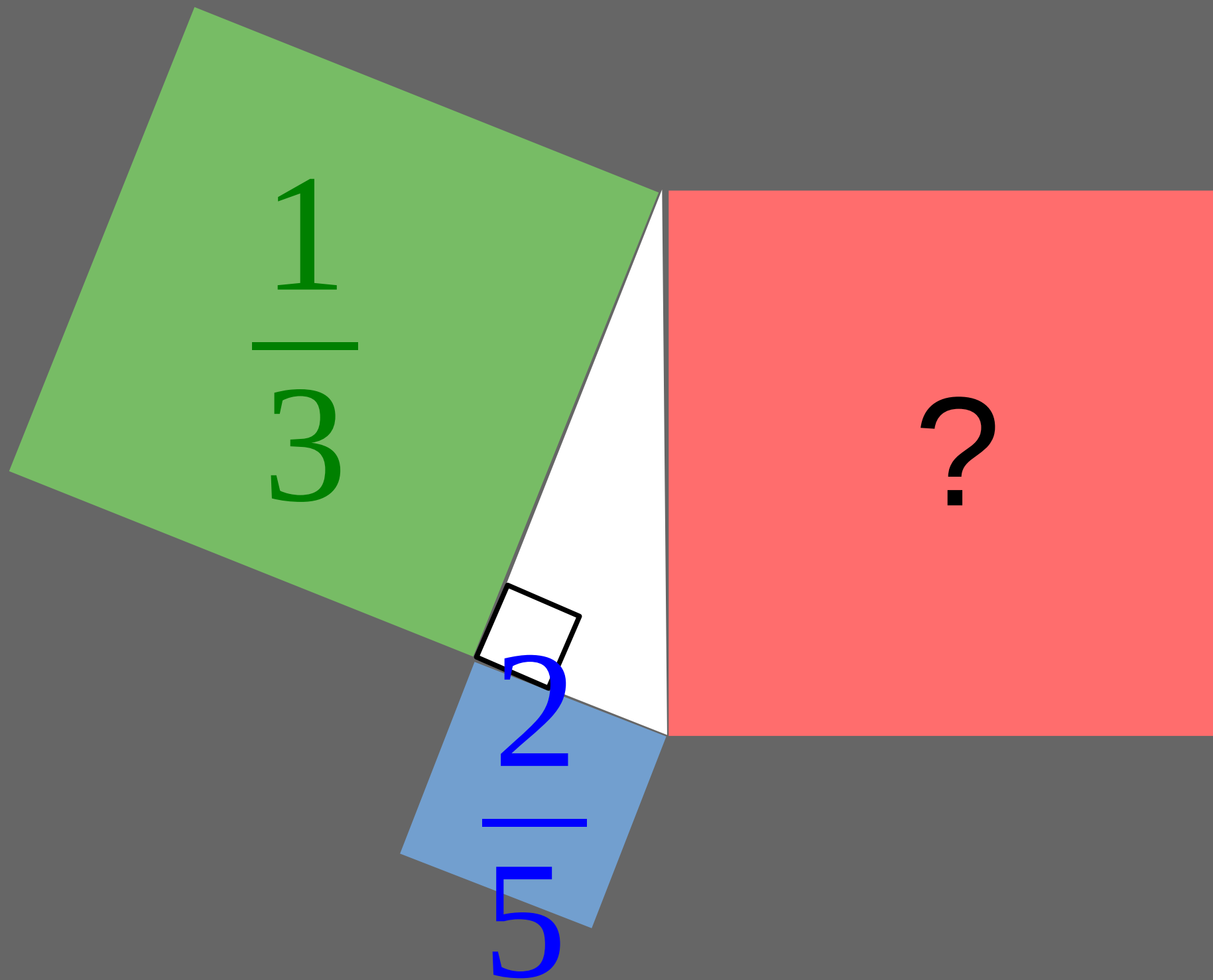
$$\frac{24}{4} + \frac{3}{4}$$

$$\frac{12}{4}$$


$$\frac{25}{4}$$

$$6 + \frac{3}{4}$$

$$\frac{12}{4}$$



Rappel :

Fractions :
dénominateurs
différents :

$$\frac{a}{c} + \frac{b}{d} = \frac{a \times d}{c \times d} + \frac{b \times c}{d \times c}$$

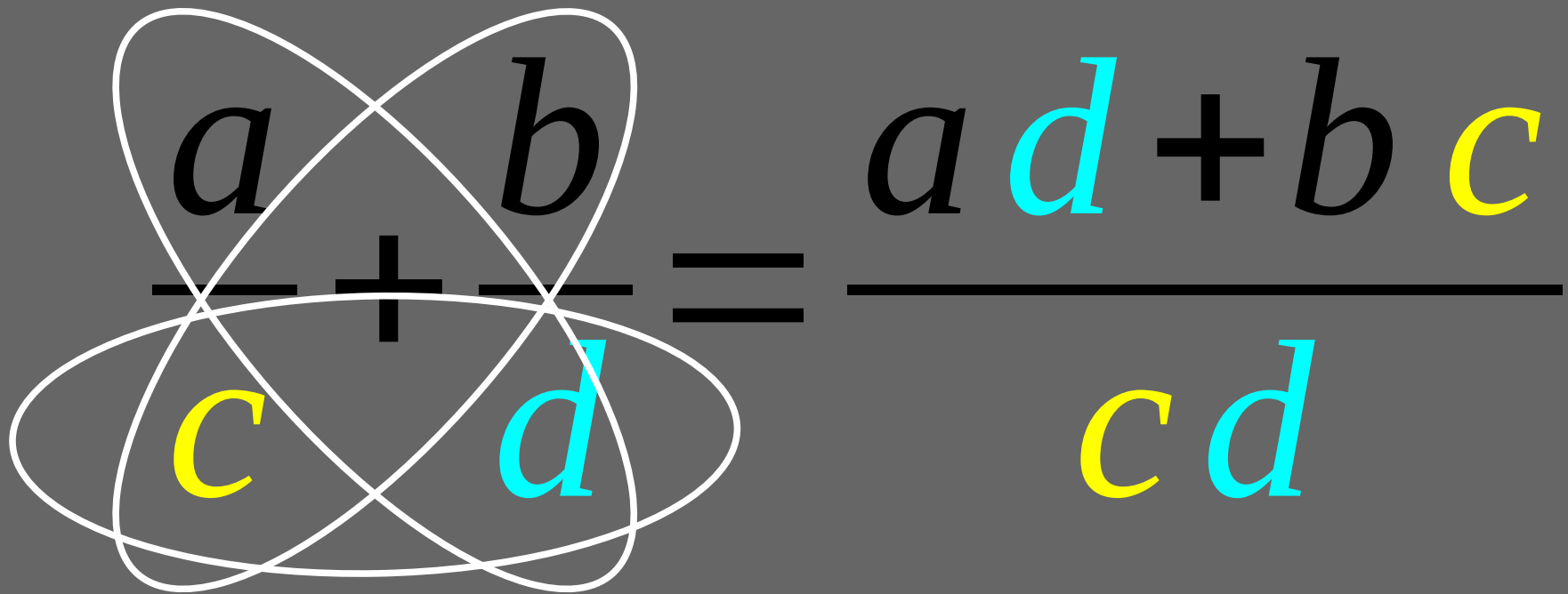
Fractions :
dénominateurs
différents :

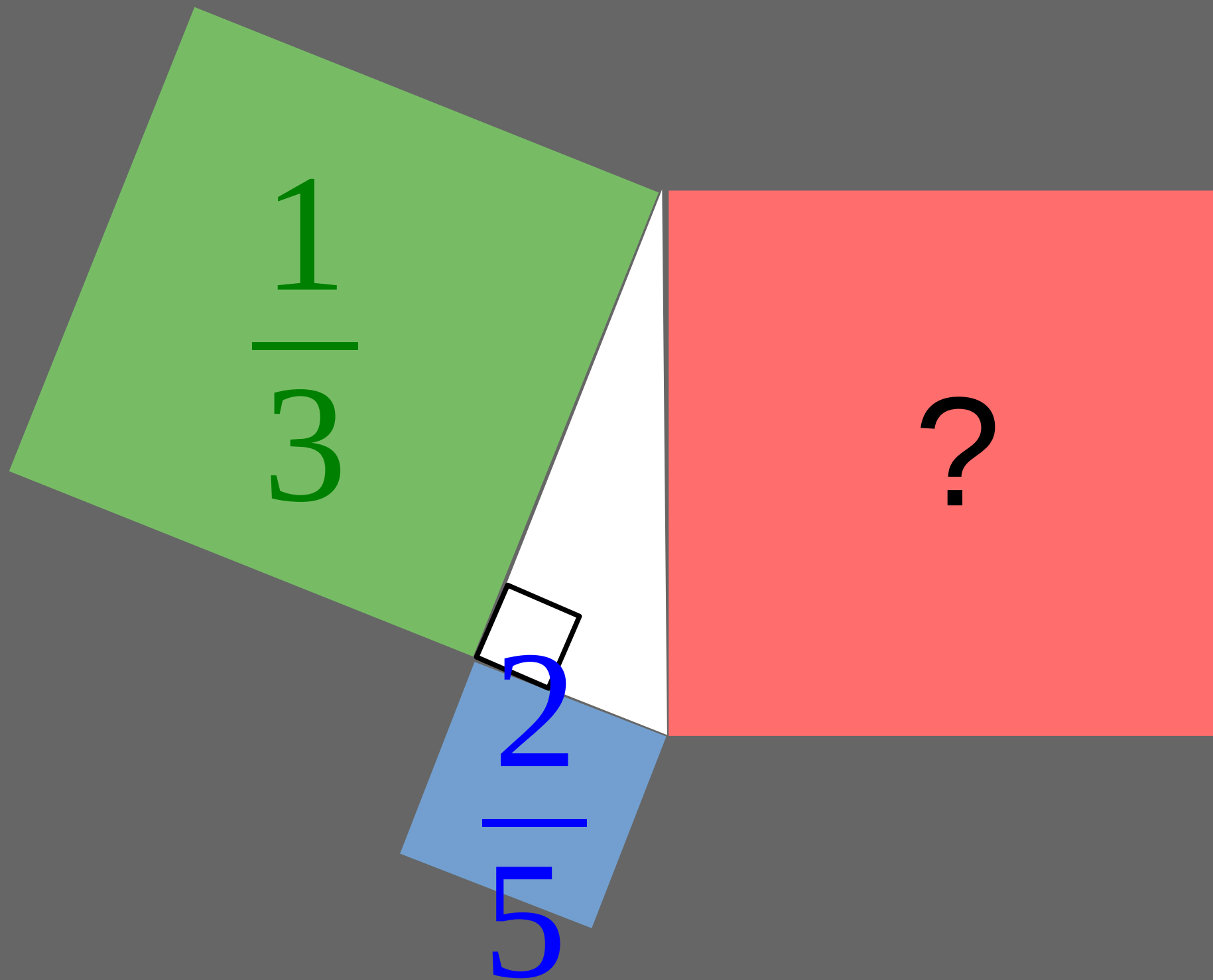
$$\frac{a}{c} + \frac{b}{d} = \frac{a \times d + b \times c}{c \times d}$$

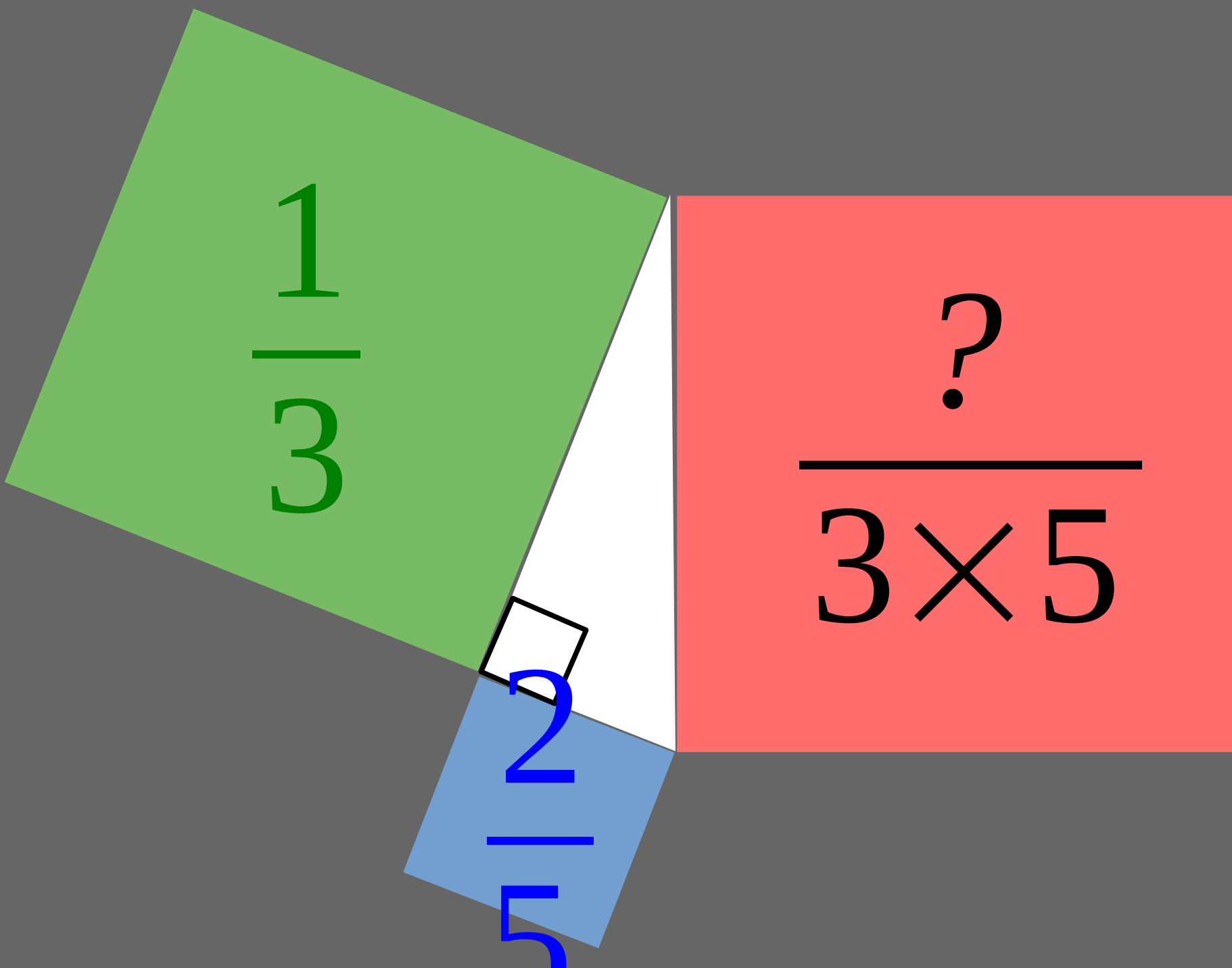
Fractions :
dénominateurs
différents :

$$\frac{a}{c} + \frac{b}{d} = \frac{ad + bc}{cd}$$

Fractions :
dénominateurs
différents :


$$\frac{a}{c} + \frac{b}{d} = \frac{ad + bc}{cd}$$




$$\frac{1}{3}$$

$$\frac{?}{3 \times 5}$$

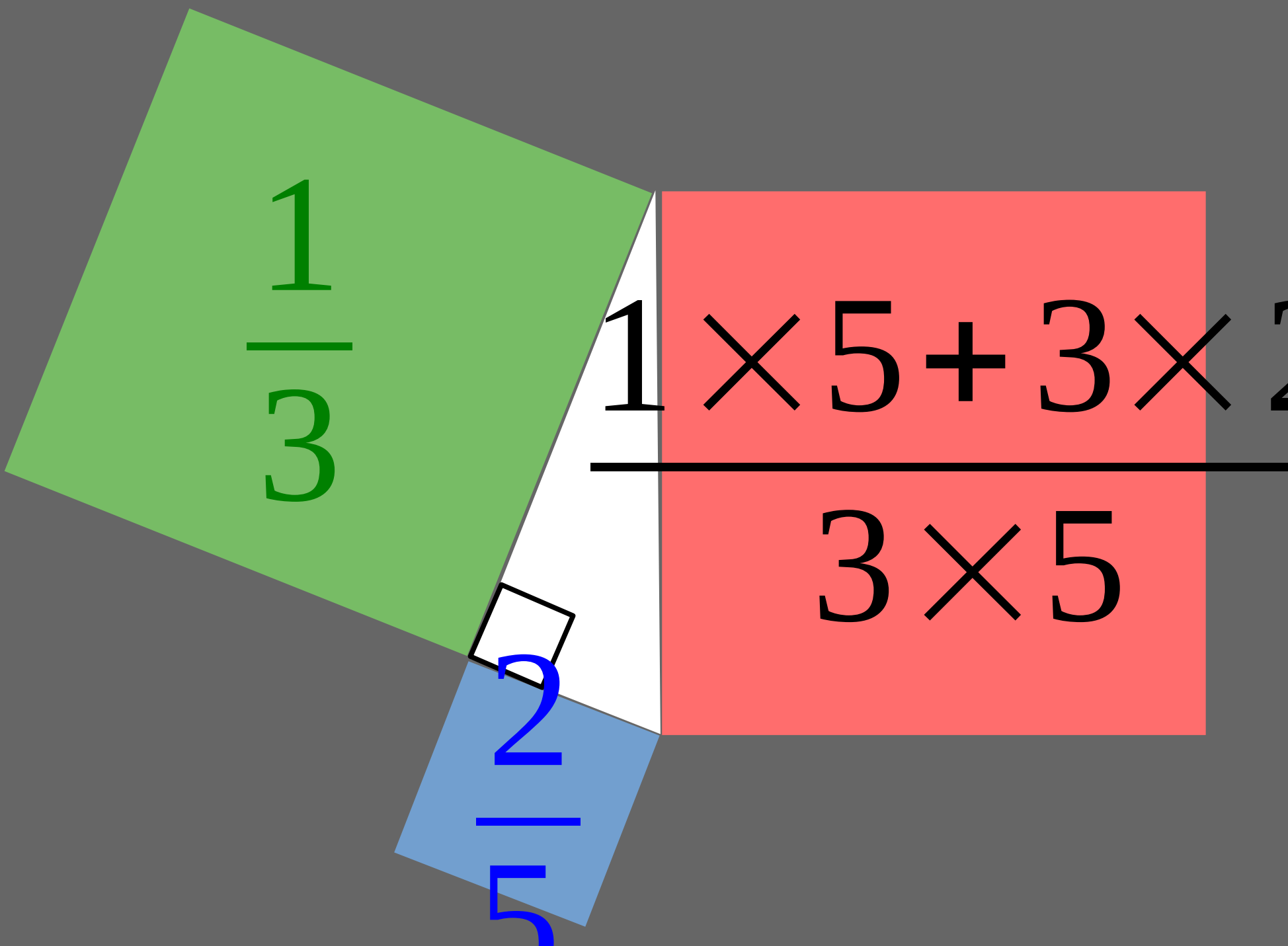
$$\frac{2}{5}$$

$$\frac{1}{3}$$

$$1 \times 5 + ?$$

$$3 \times 5$$

$$\frac{2}{5}$$

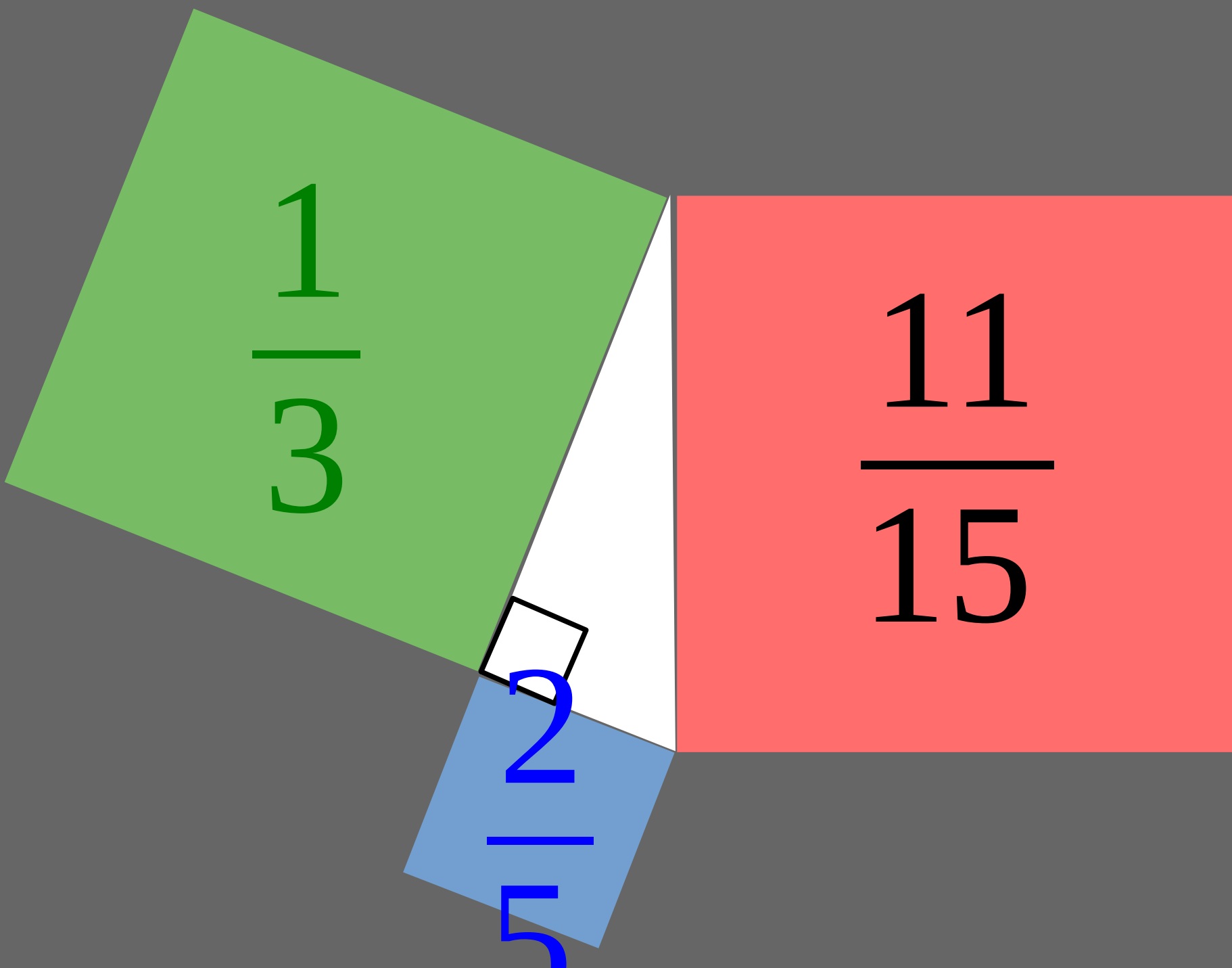


$\frac{1}{3}$

$1 \times 5 + 3 \times 2$

3×5

$\frac{2}{5}$


$$\frac{1}{3}$$

$$\frac{11}{15}$$

$$\frac{2}{5}$$

$\frac{10}{5}$

?

$\frac{2}{7}$

$$\frac{10}{5}$$

$$\frac{?}{5 \times 7}$$



$$\frac{2}{7}$$

$$\frac{10}{5}$$

$$10 \times 7 + ?$$

$$5 \times 7$$

$$\frac{2}{7}$$

$$\frac{10}{5}$$

$$10 \times 7 + 5 \times 2$$

$$5 \times 7$$

$$2$$

$$7$$


$$\frac{10}{5}$$

$$\frac{80}{35}$$

$$\frac{2}{7}$$

$$\frac{10}{5}$$

$$8 \times 2 \times 5$$

$$7 \times 5$$

$$2$$

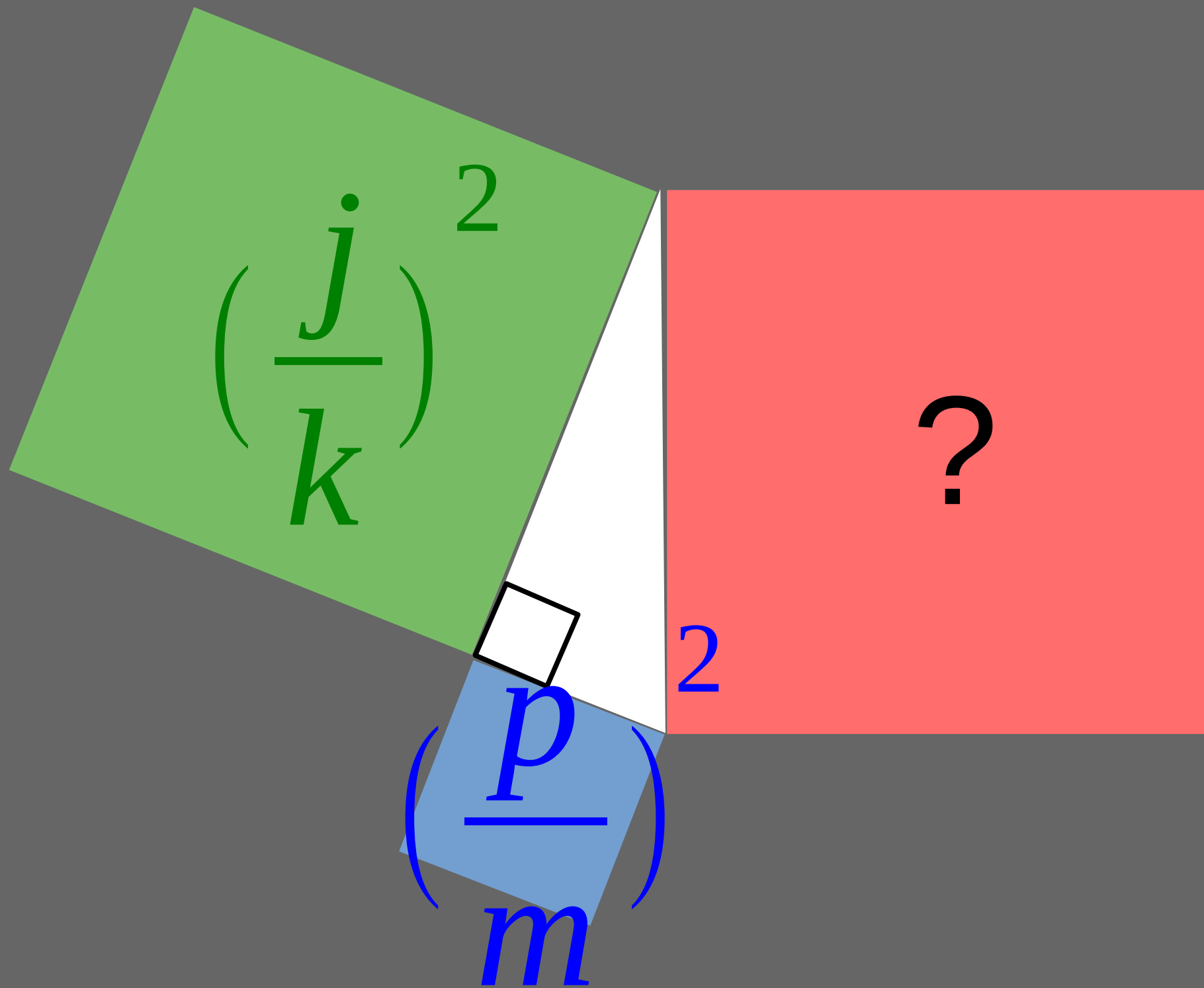
$$\frac{7}{7}$$

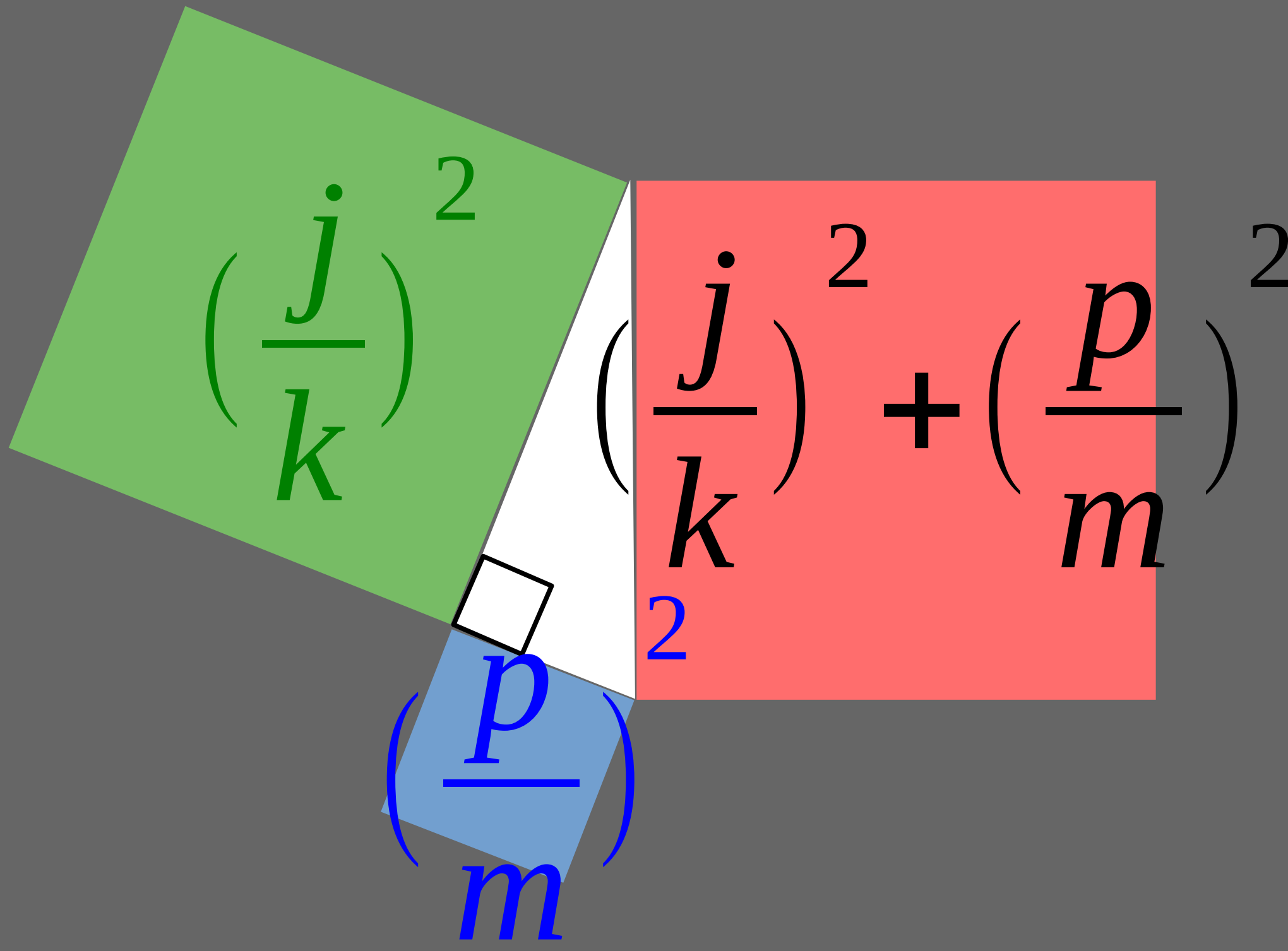
$$\frac{10}{5}$$

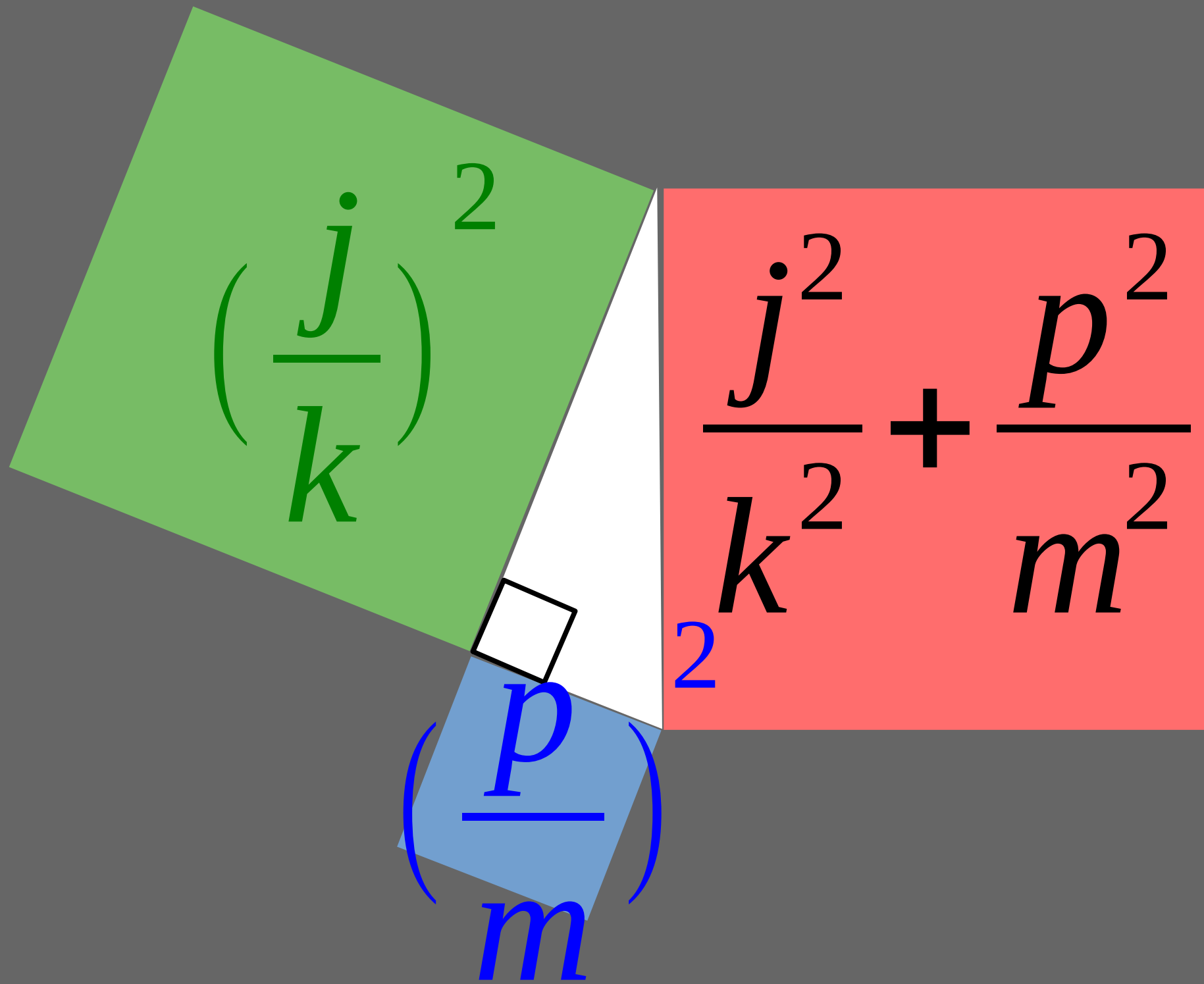
$$\frac{16}{7}$$

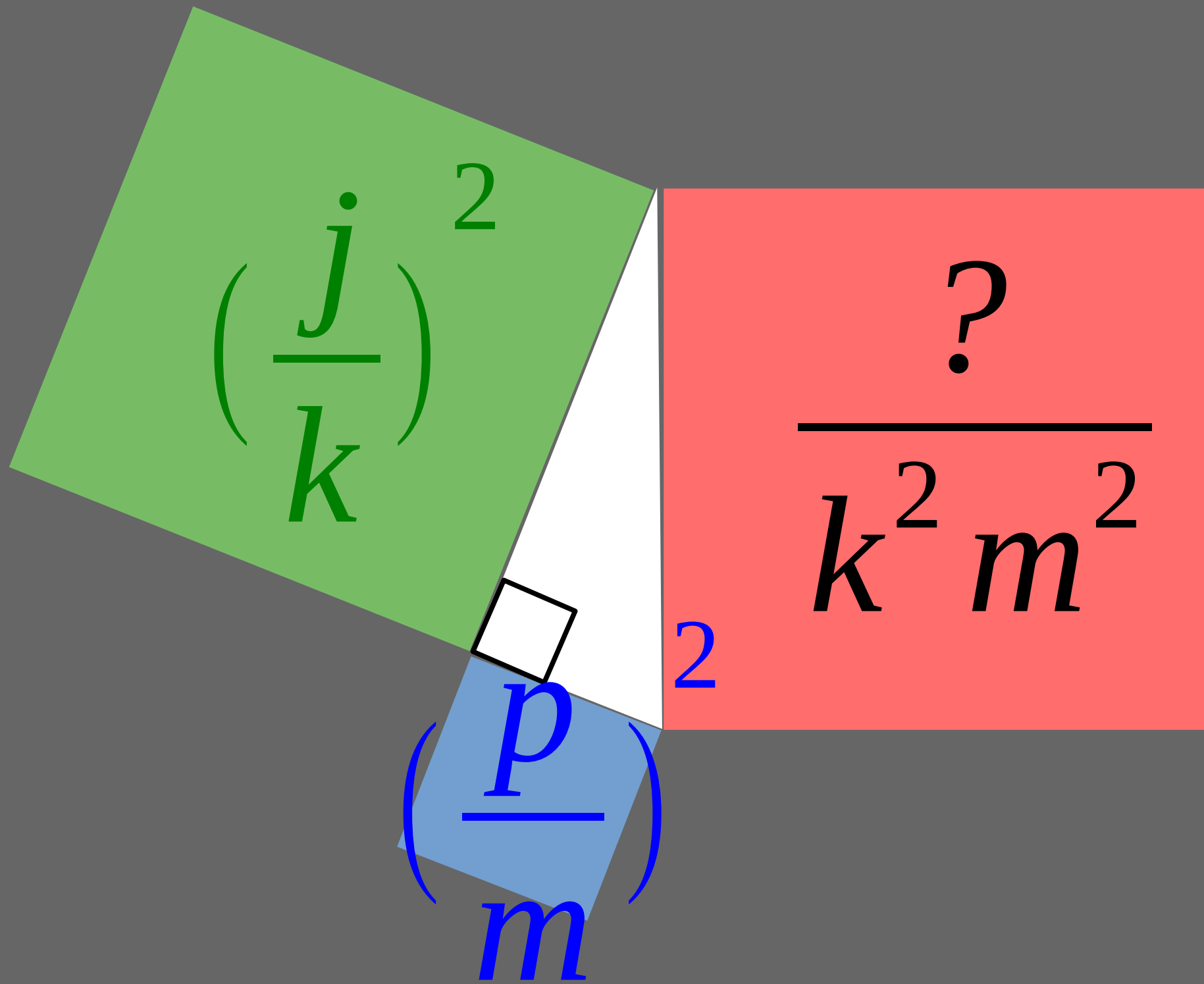
$$\frac{2}{7}$$

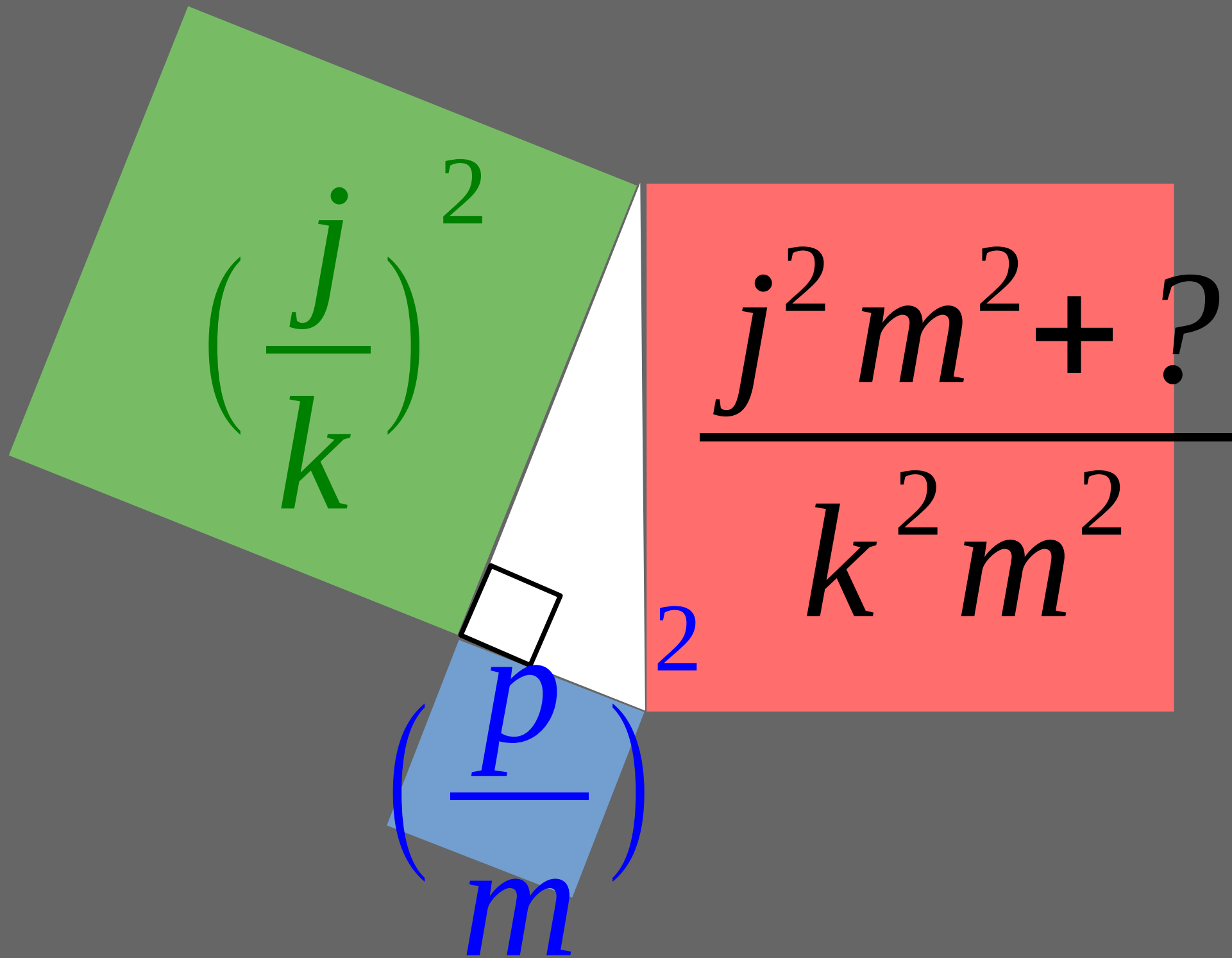
Défi

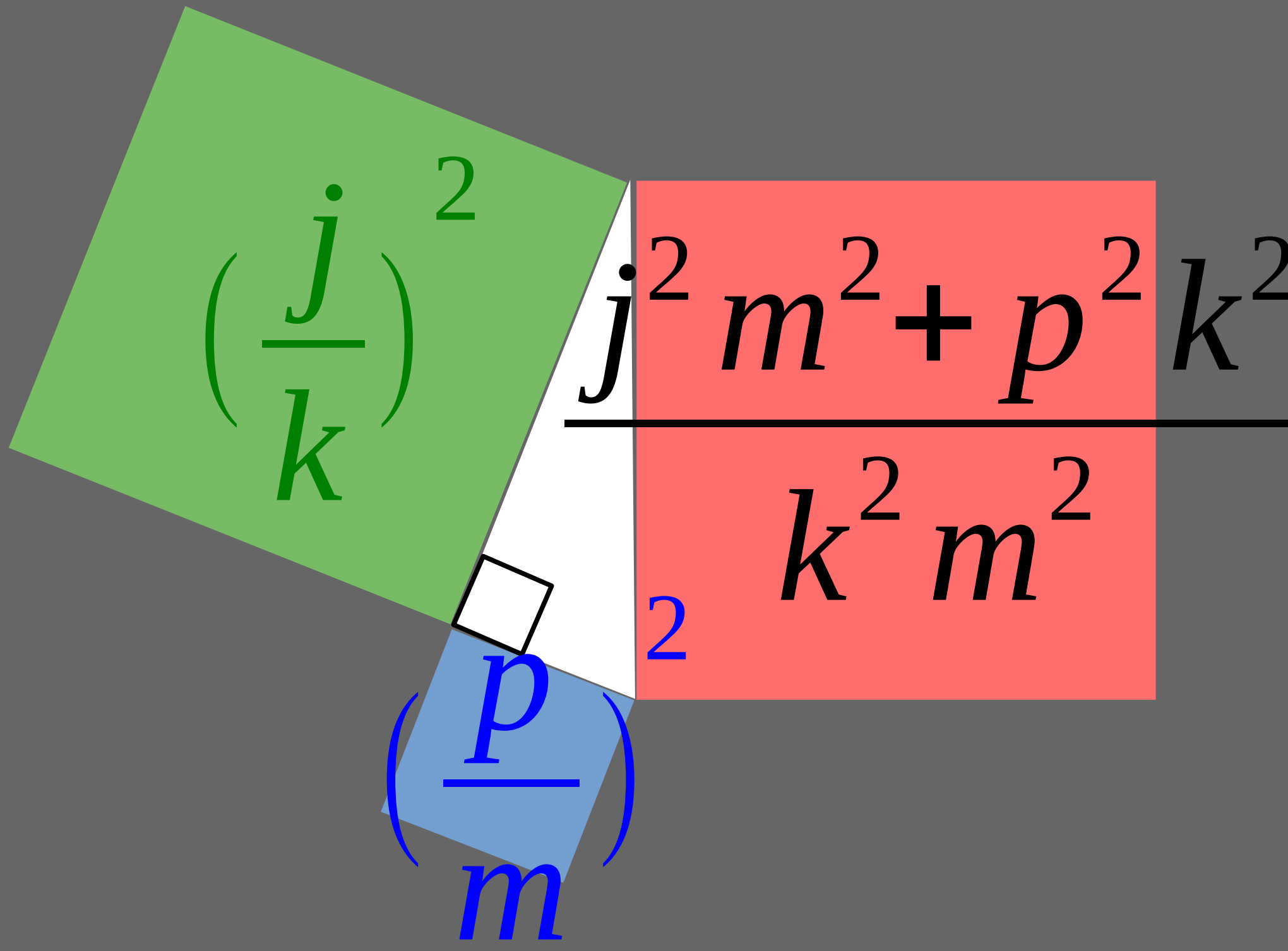




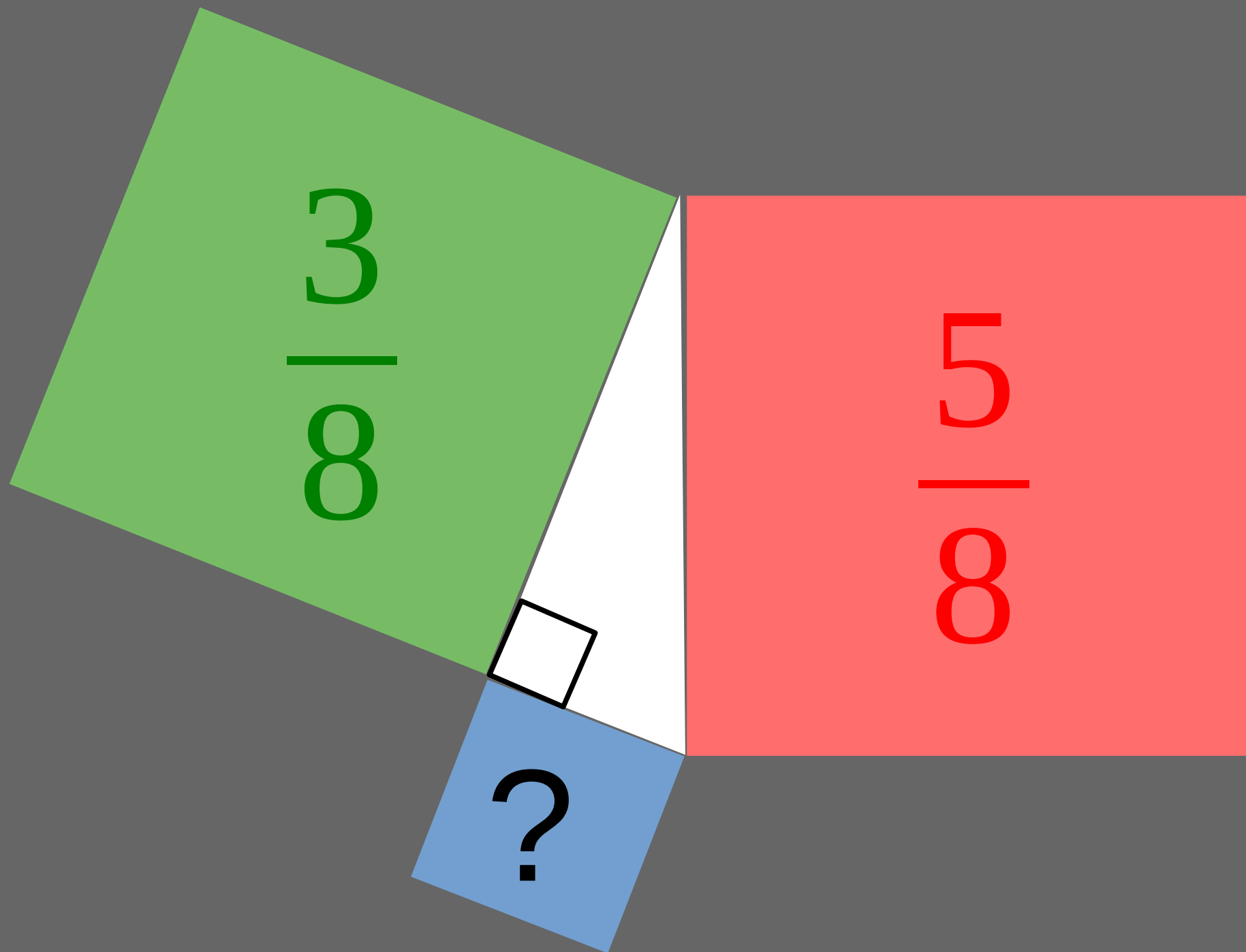


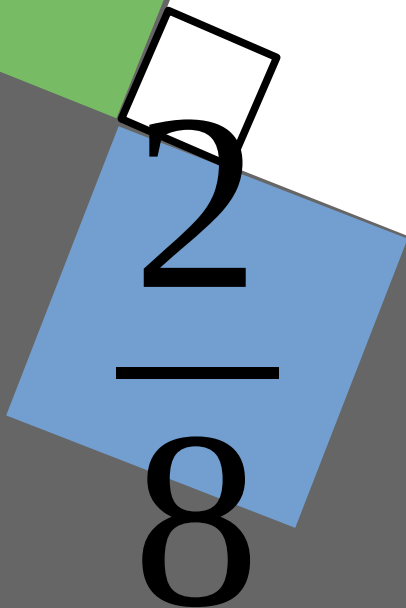
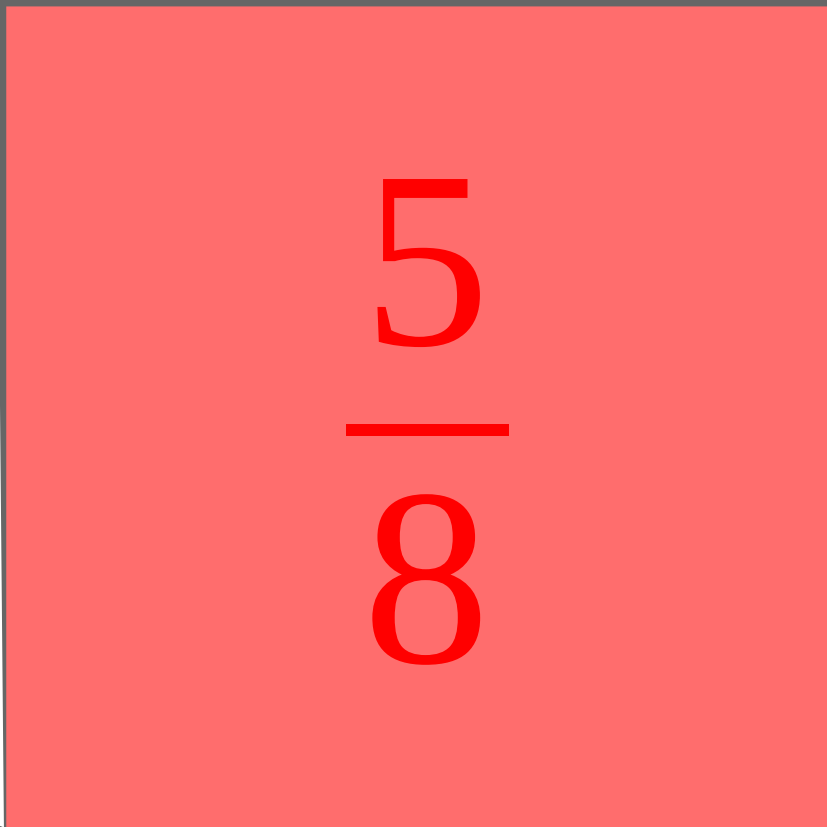
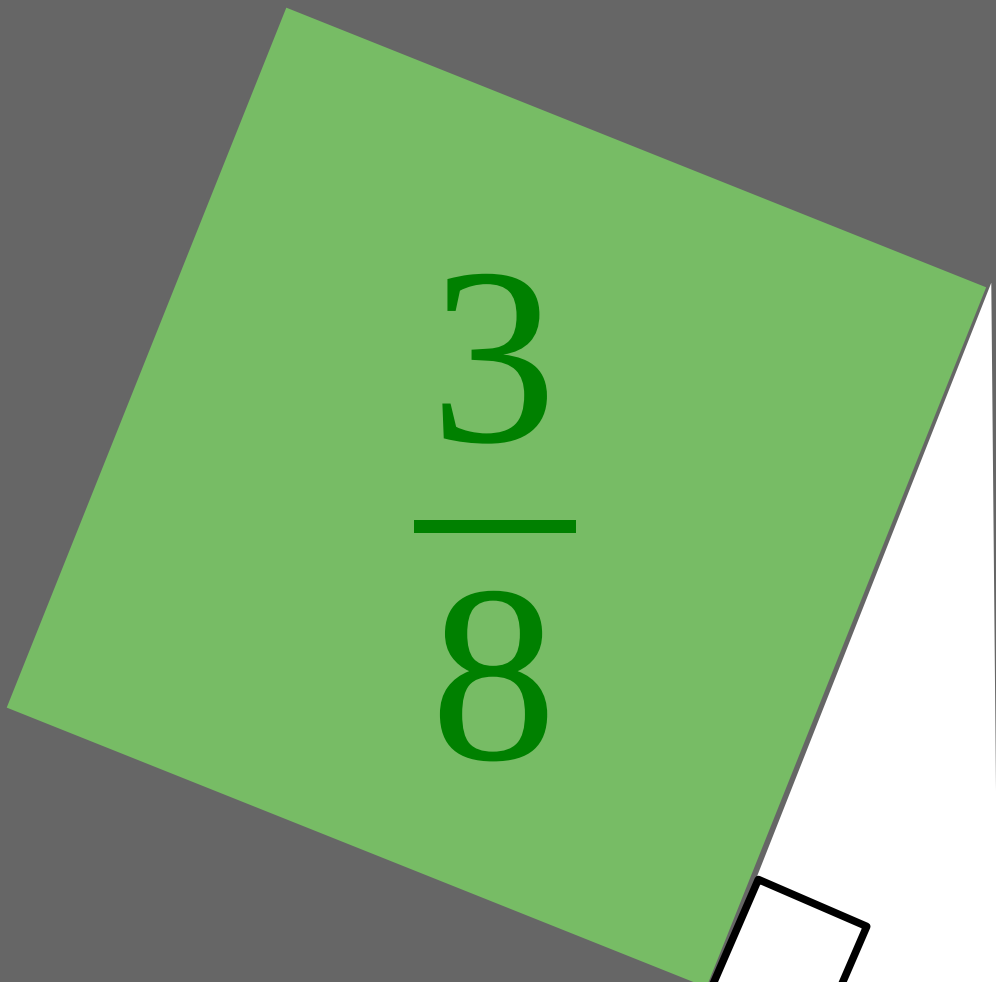


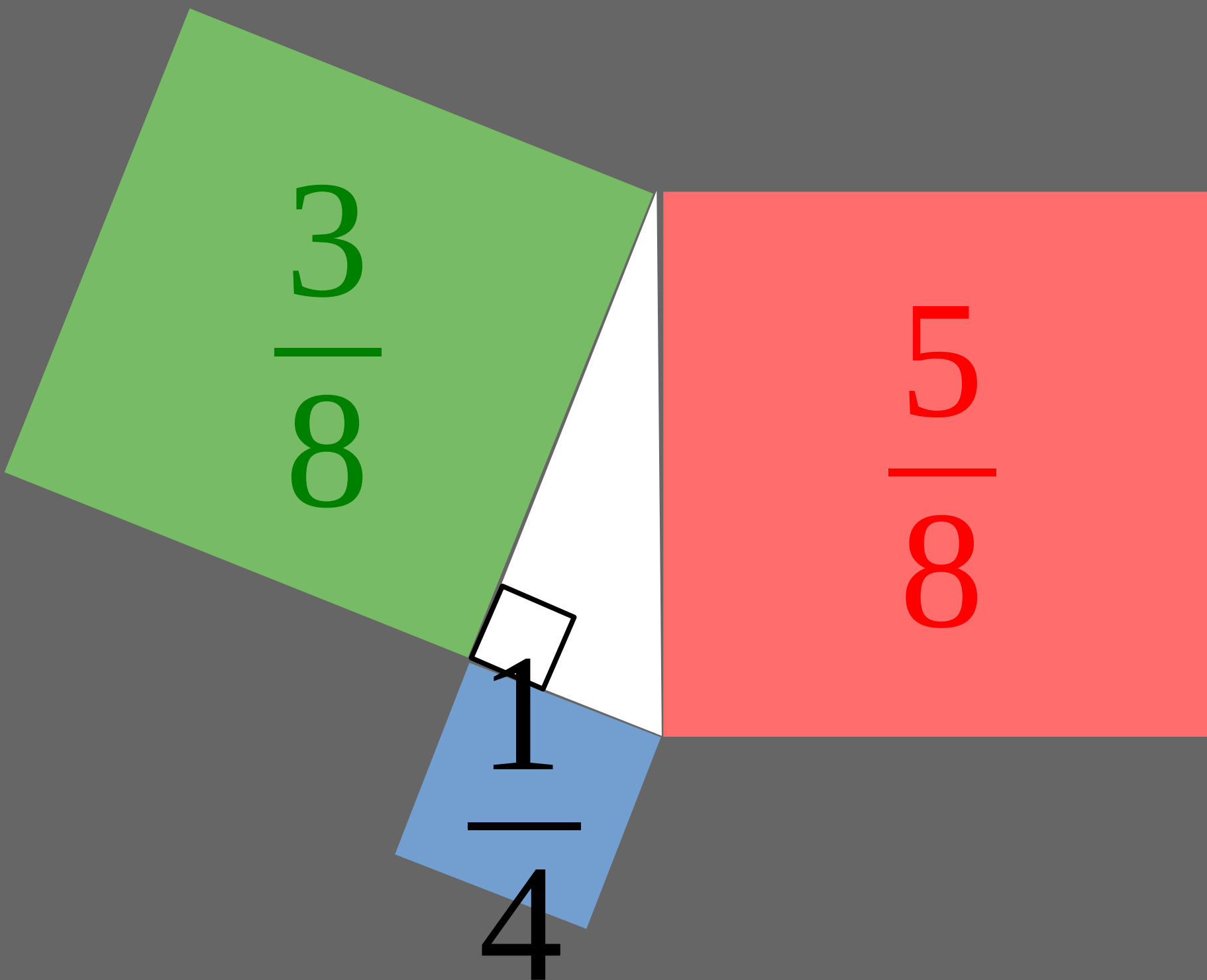




Calcule
l'aire
manquante

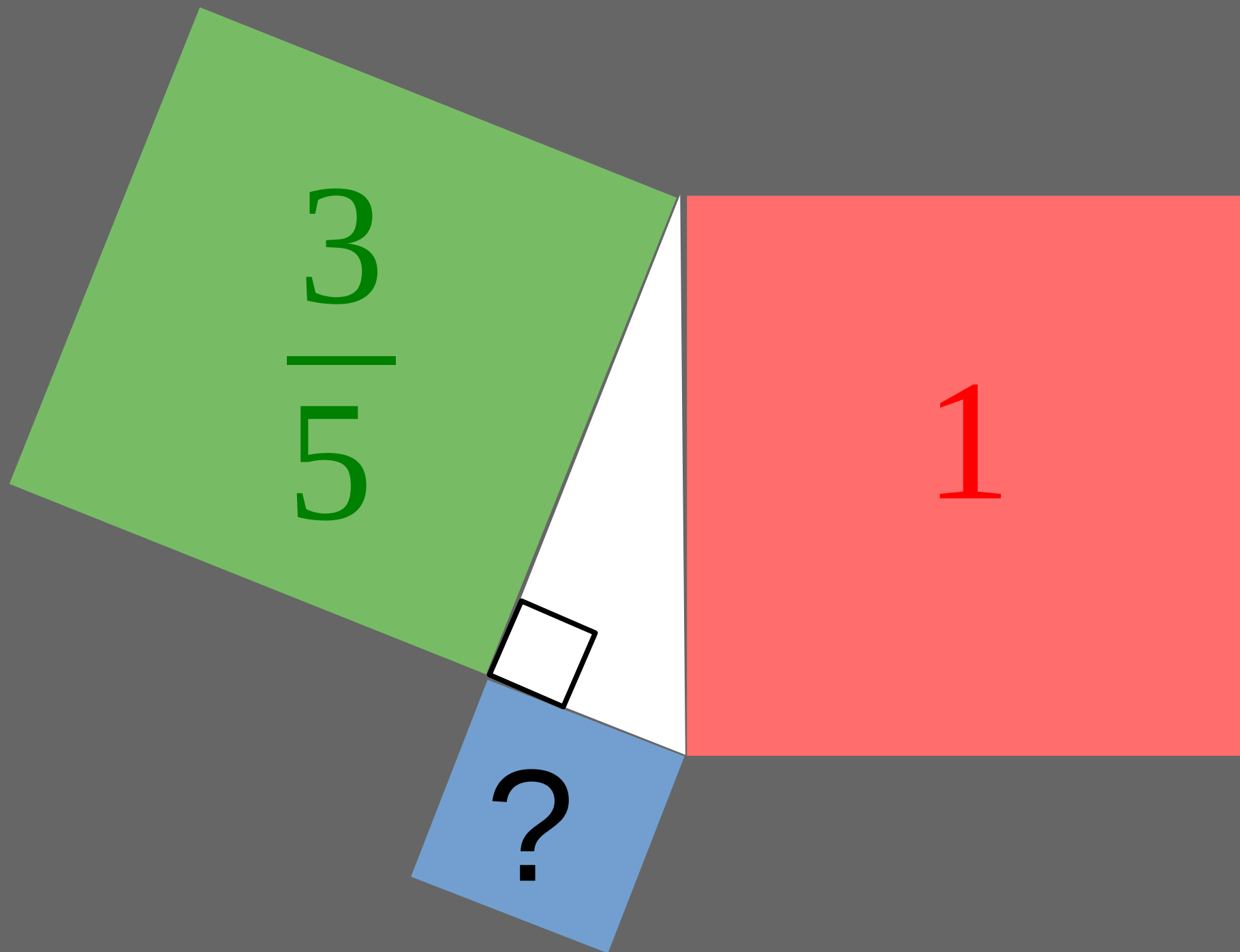


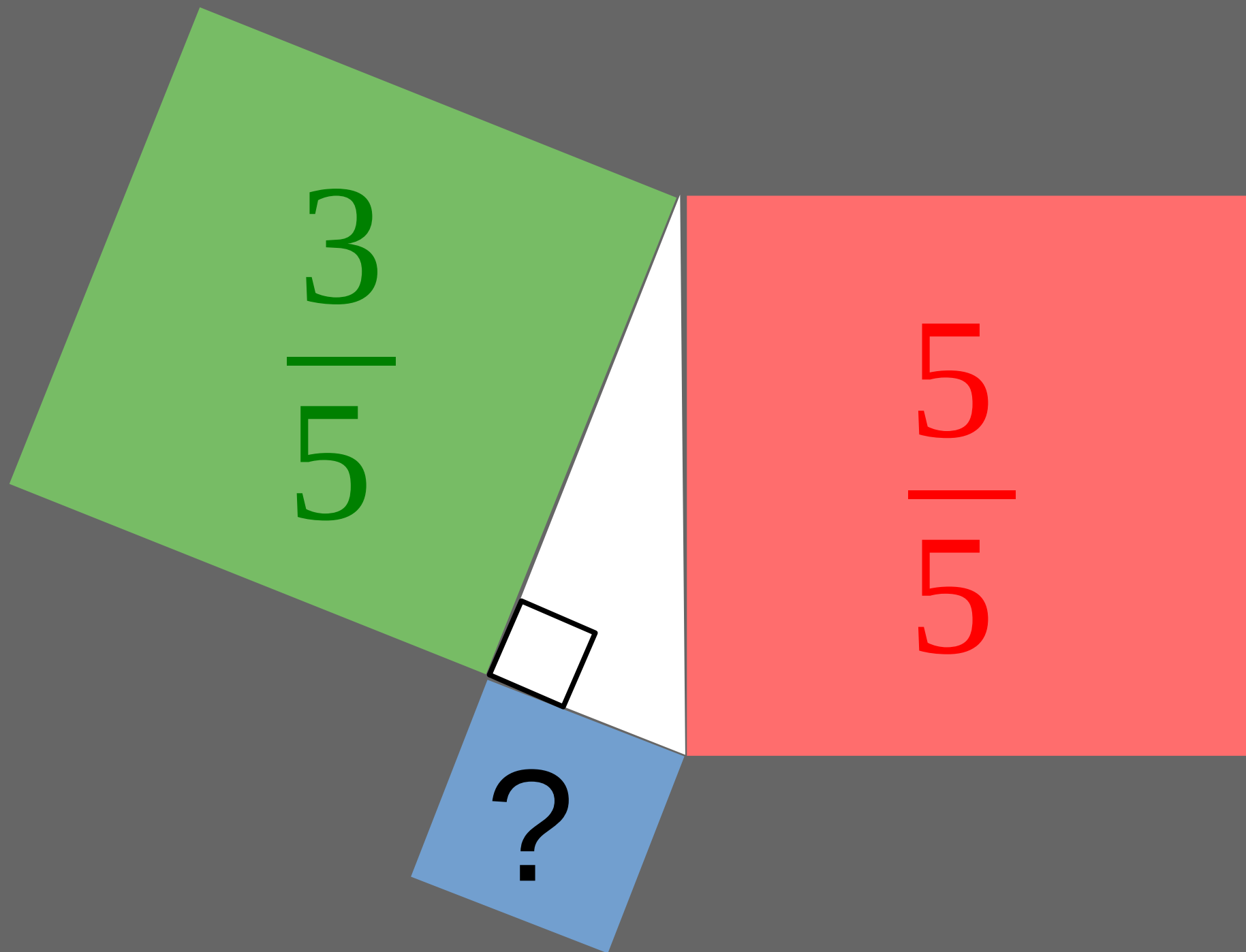


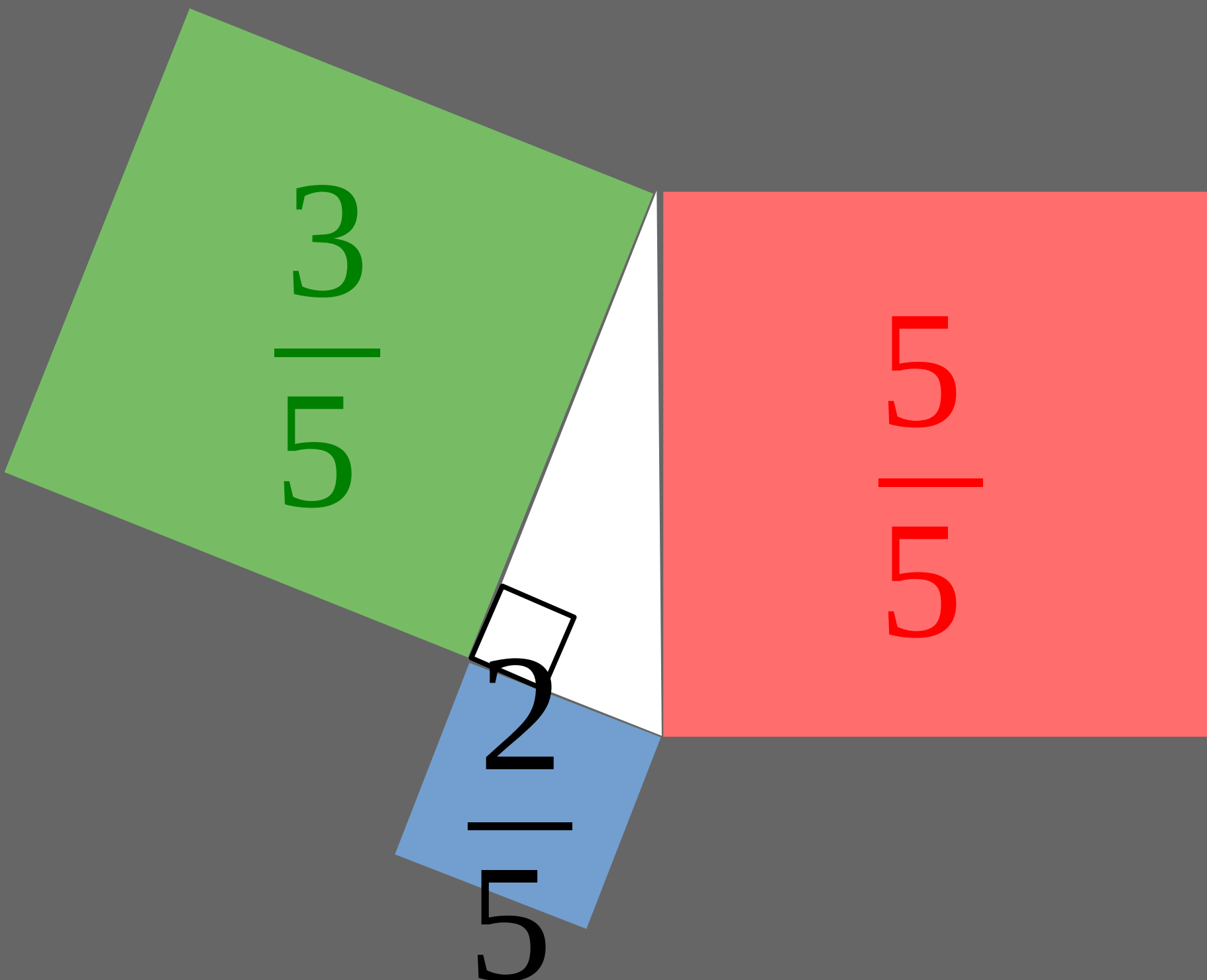

$$\frac{3}{8}$$

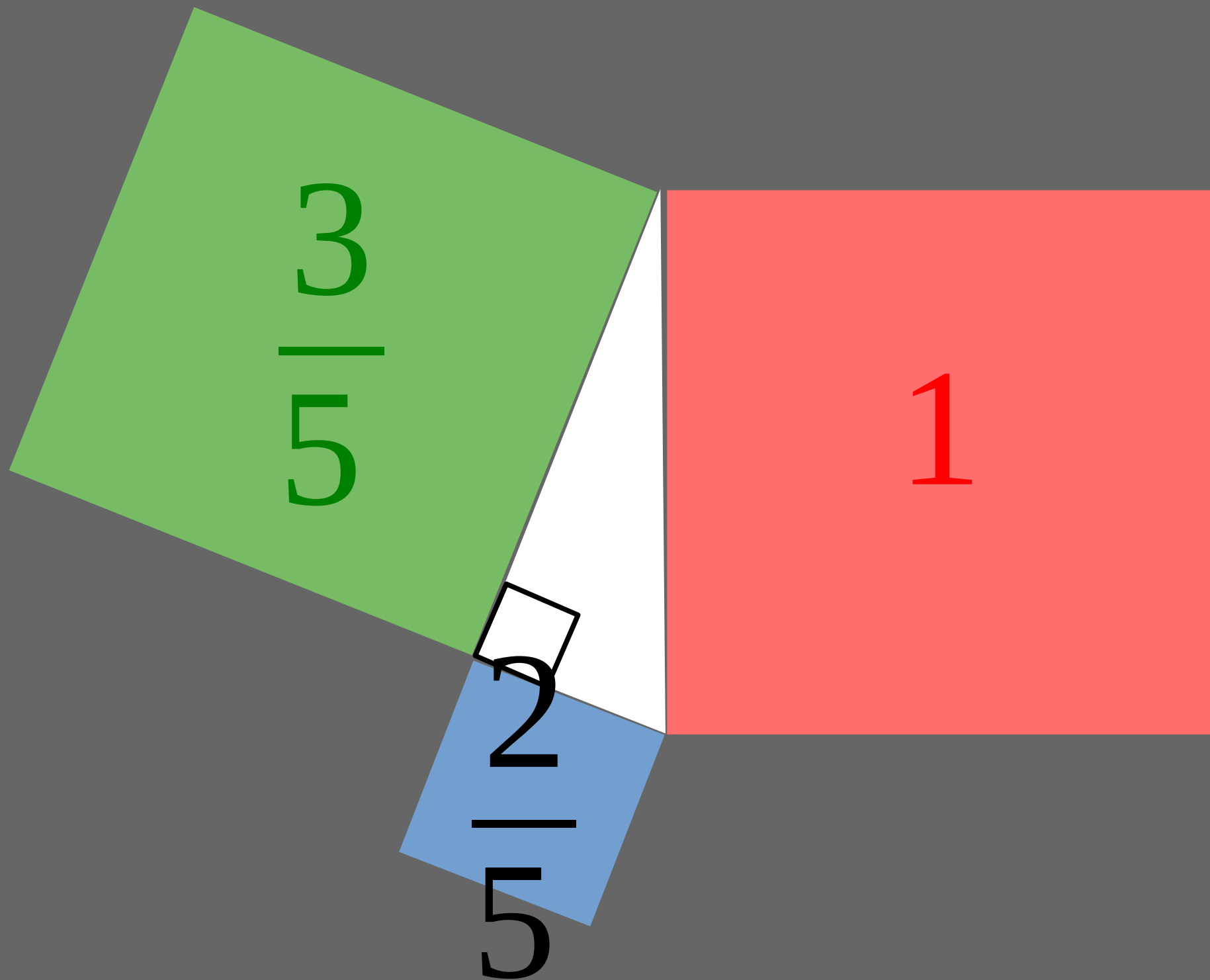
$$\frac{5}{8}$$

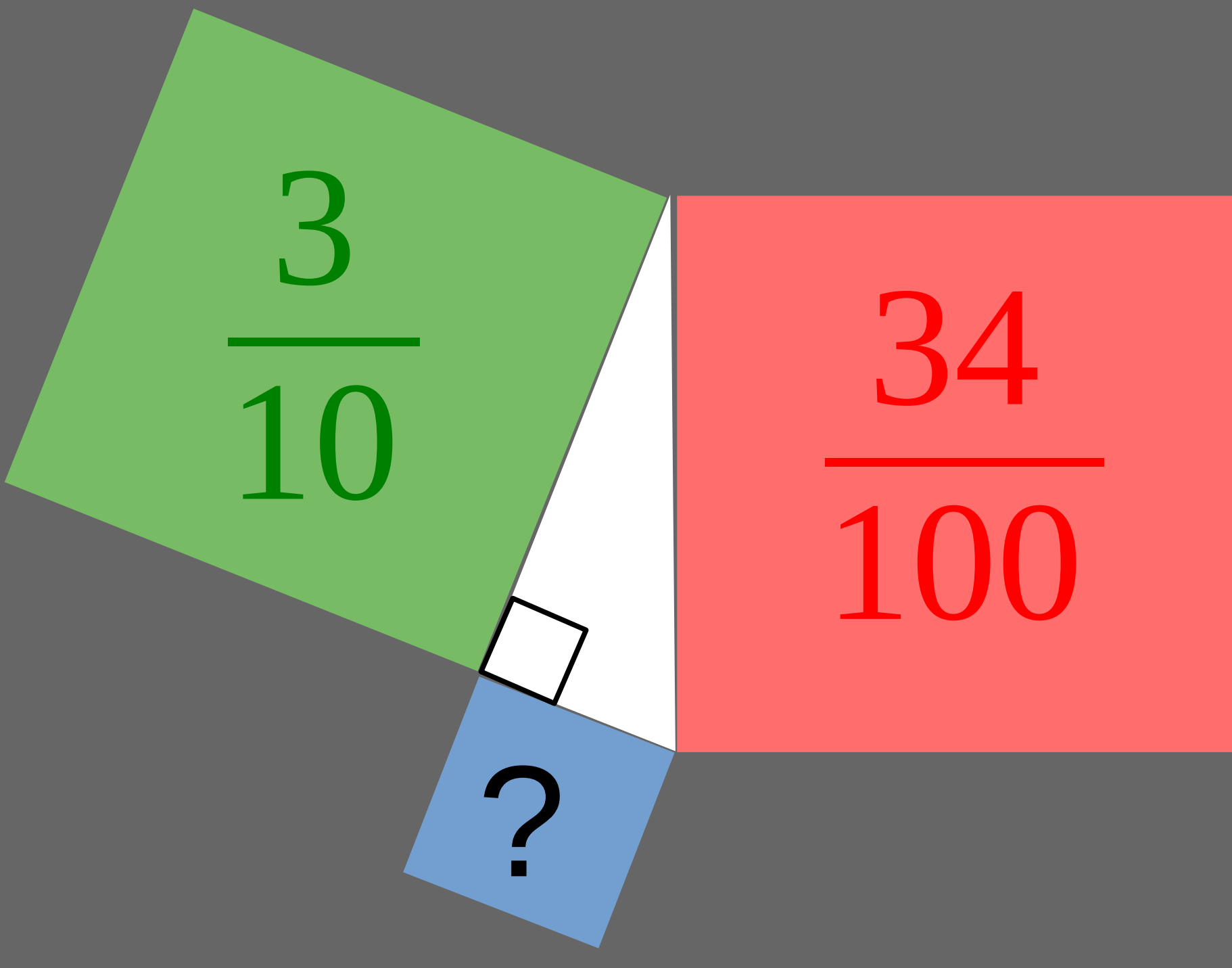
$$\frac{1}{4}$$











$$\frac{3}{10}$$

$$\frac{34}{100}$$

?

$$\frac{30}{100}$$

$$\frac{34}{100}$$

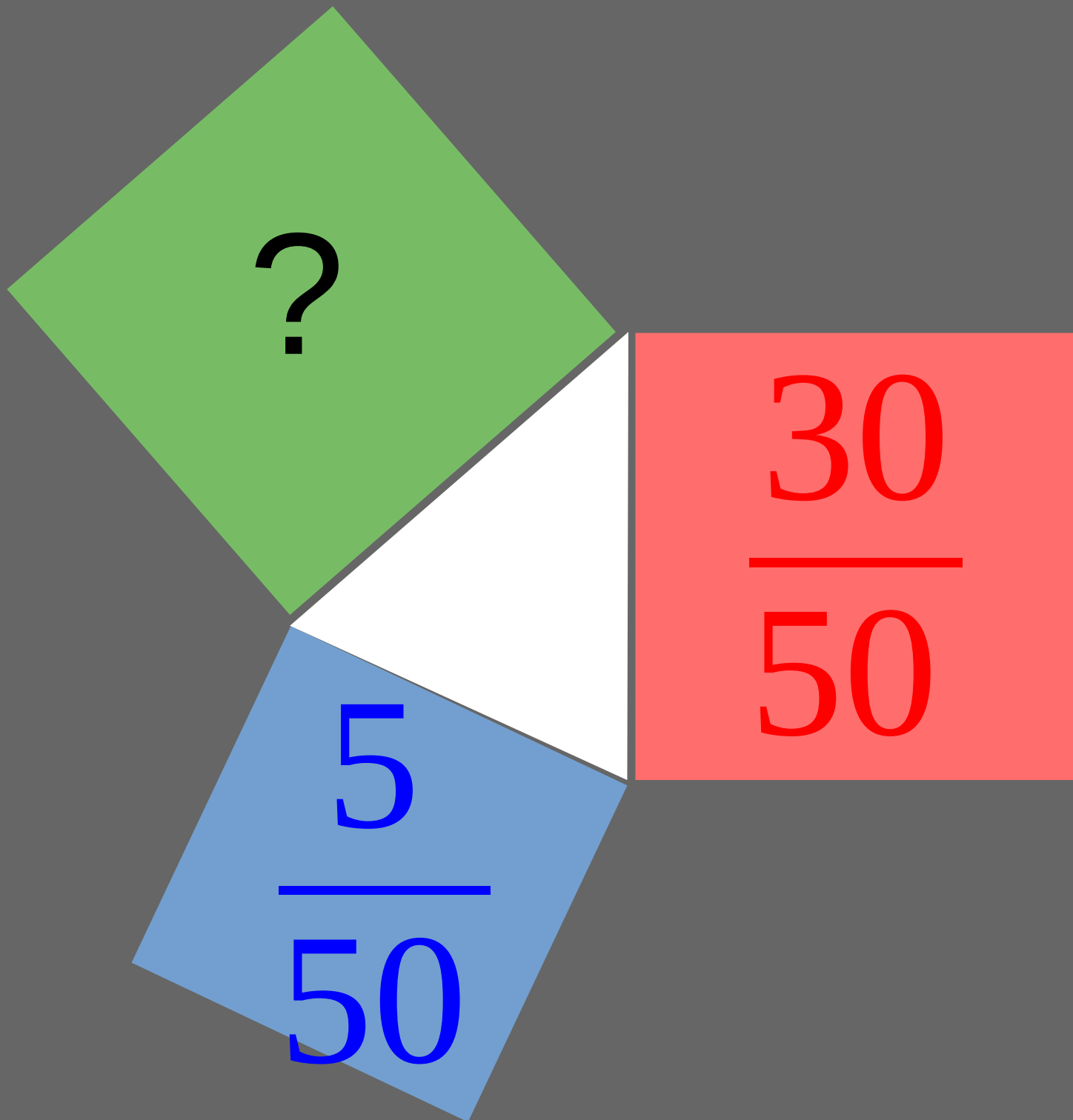
?

$$\frac{30}{100}$$

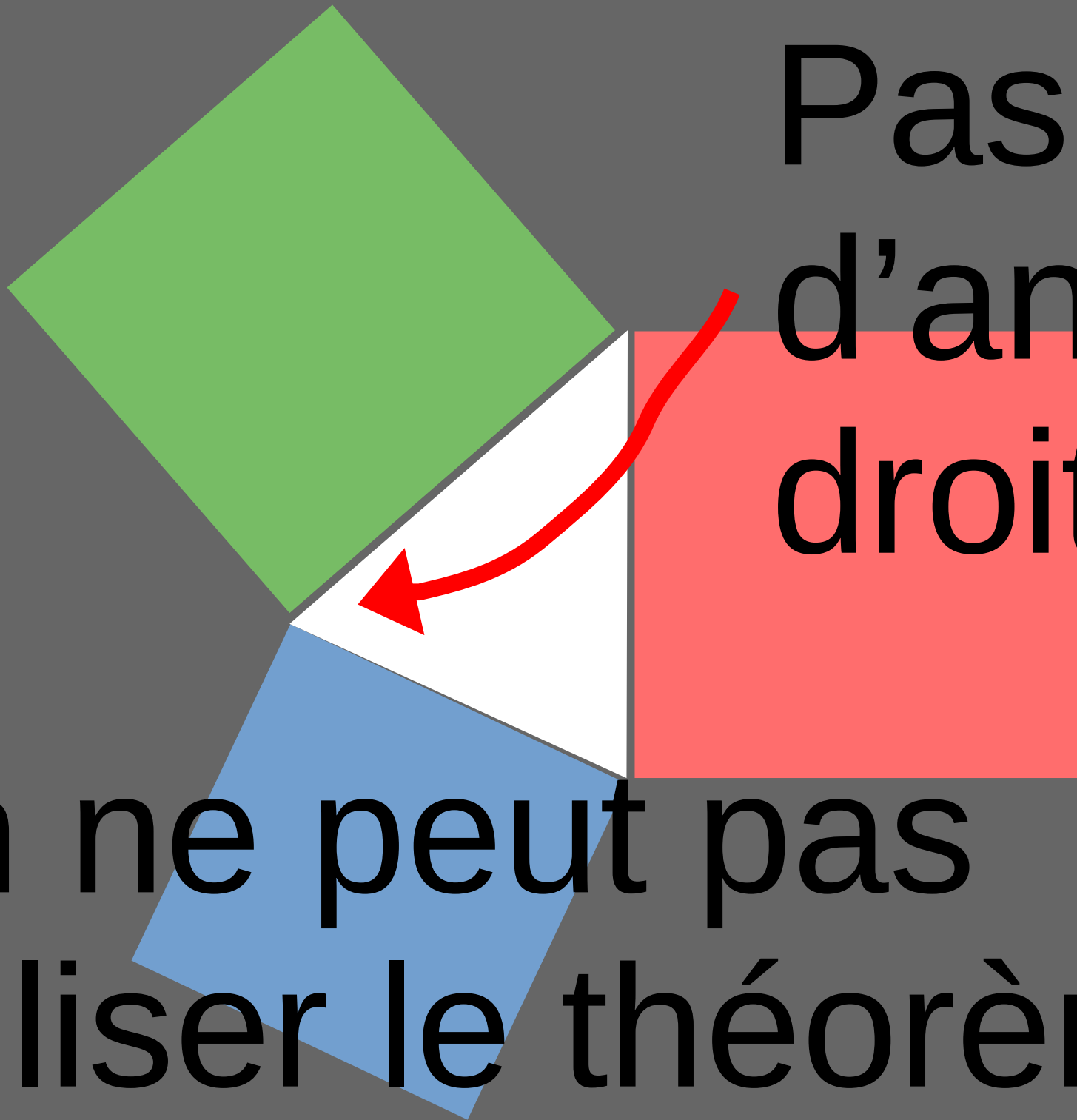
$$\frac{34}{100}$$

4

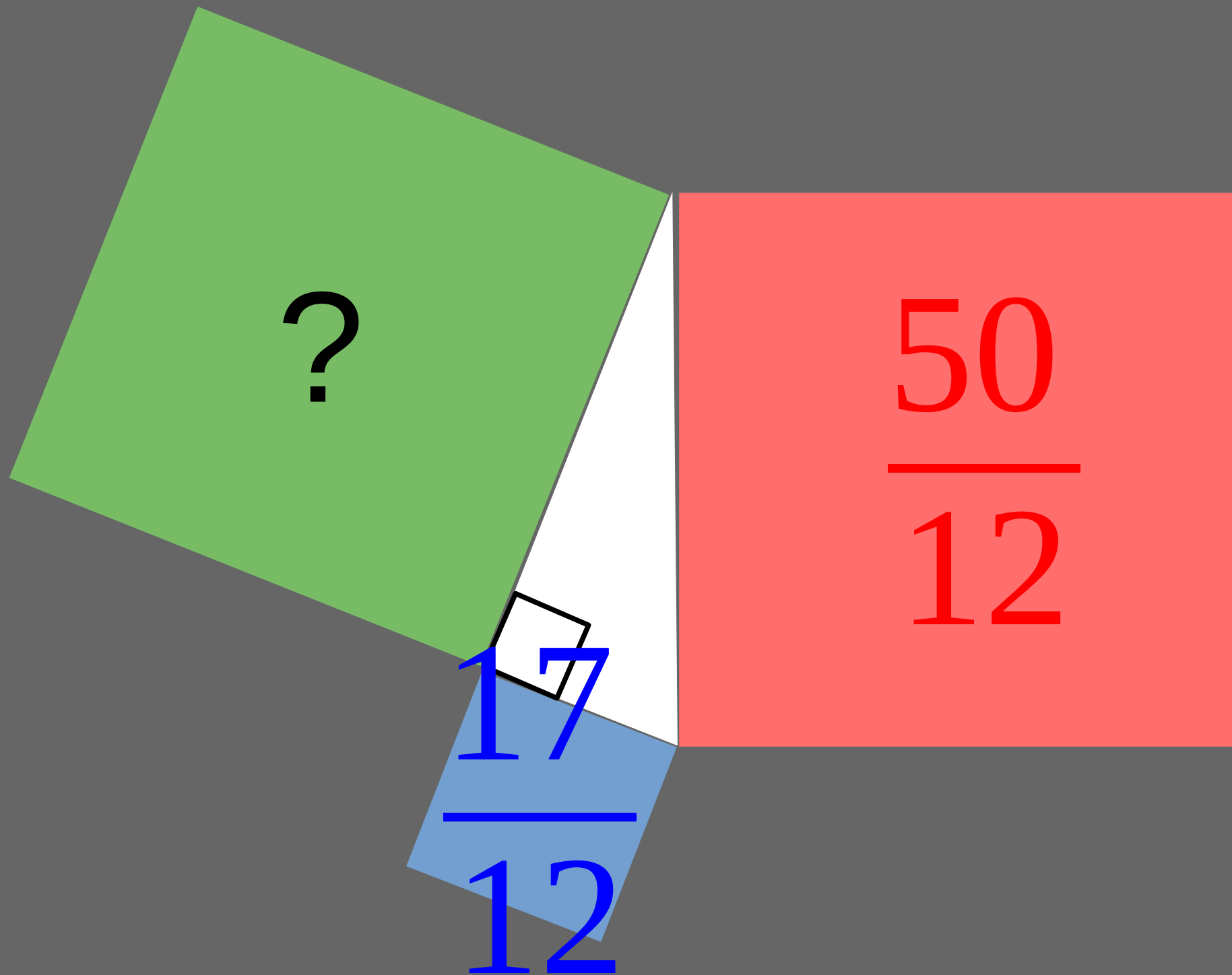
100



Pas
d'angle
droit :



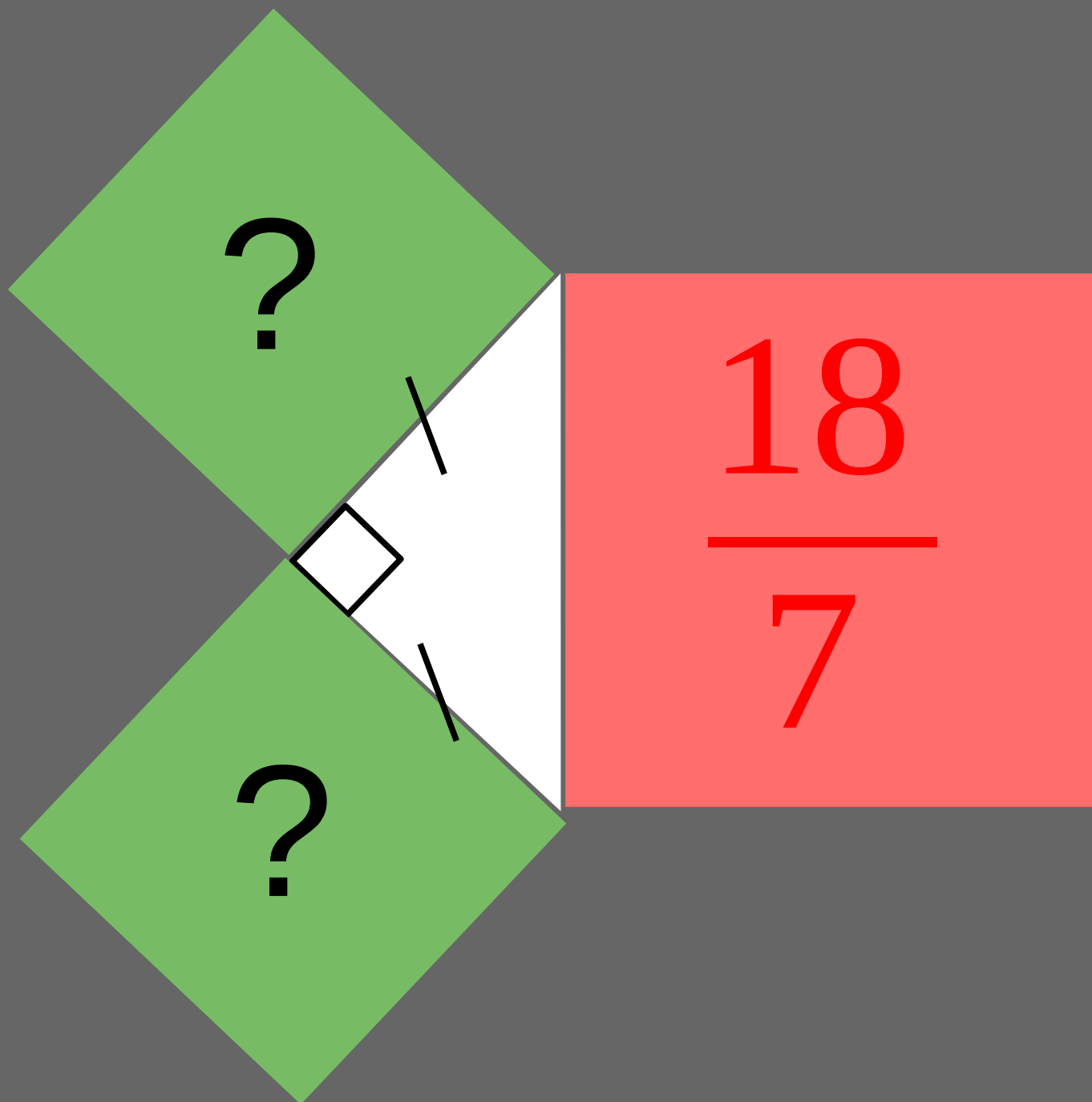
on ne peut pas
utiliser le théorème

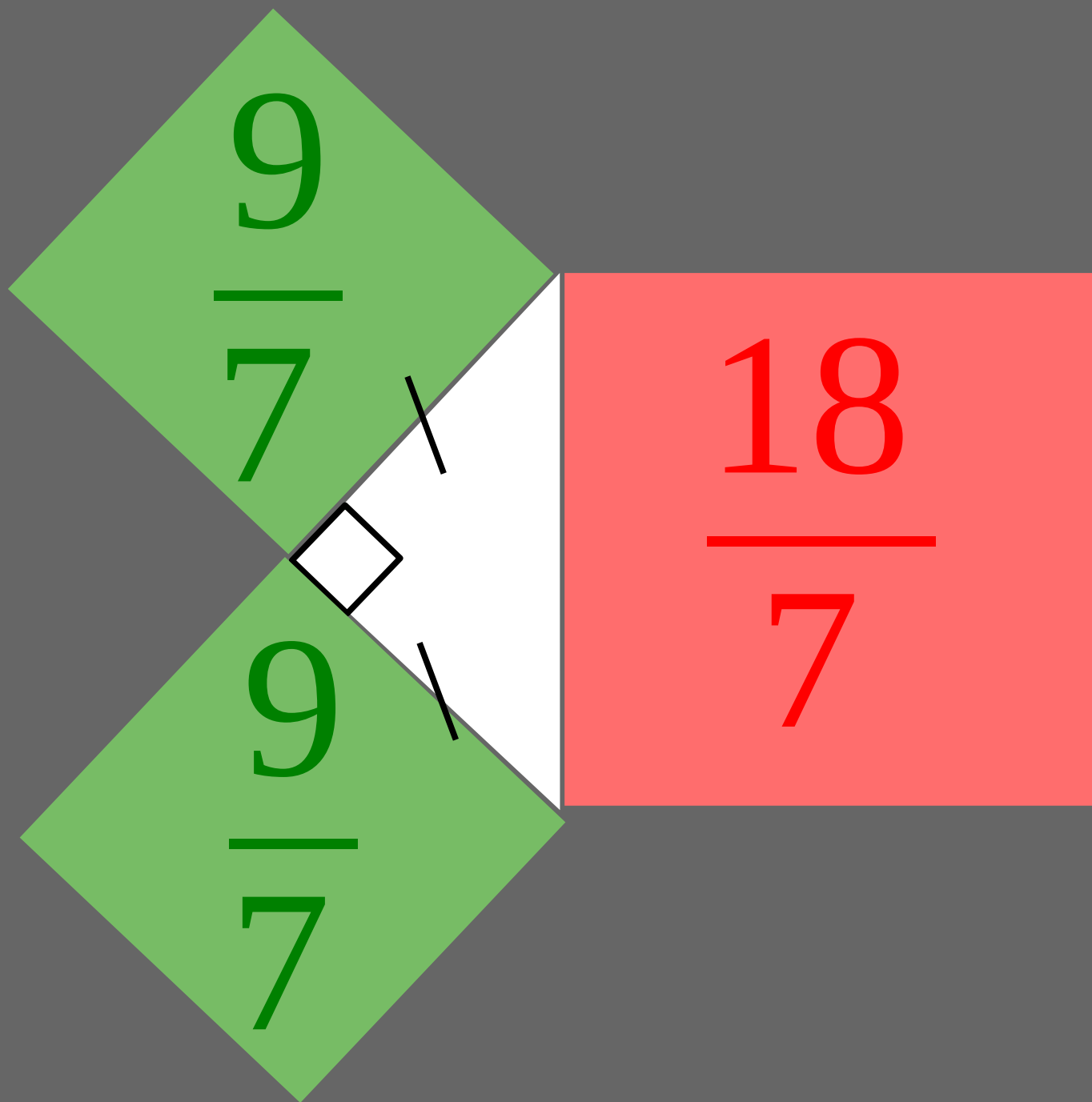



$$\frac{33}{12}$$

$$\frac{50}{12}$$

$$\frac{17}{12}$$





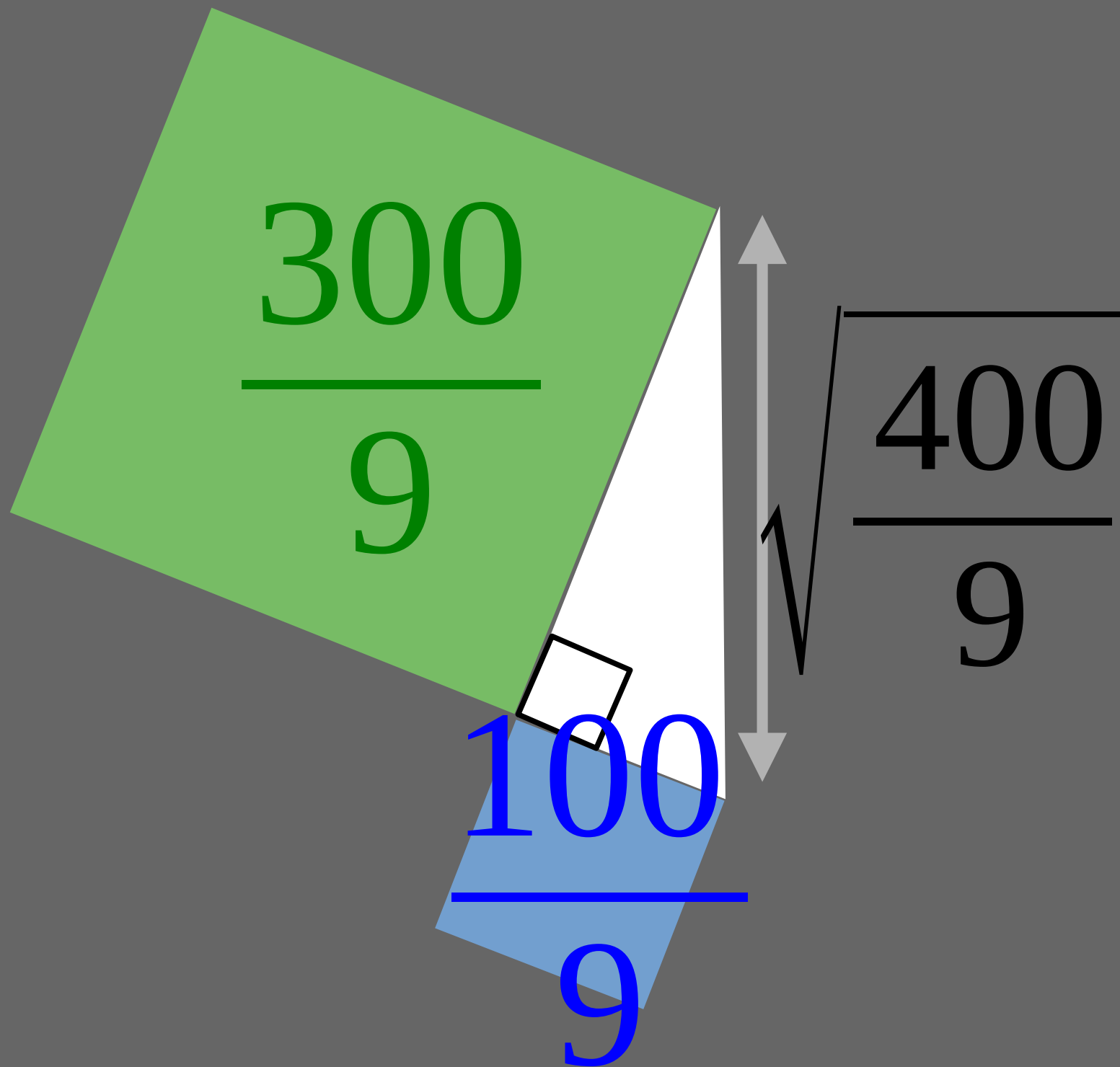
Calcule
la longueur
de l'hypoténuse

$$\frac{300}{9}$$

$$\frac{100}{9}$$



?

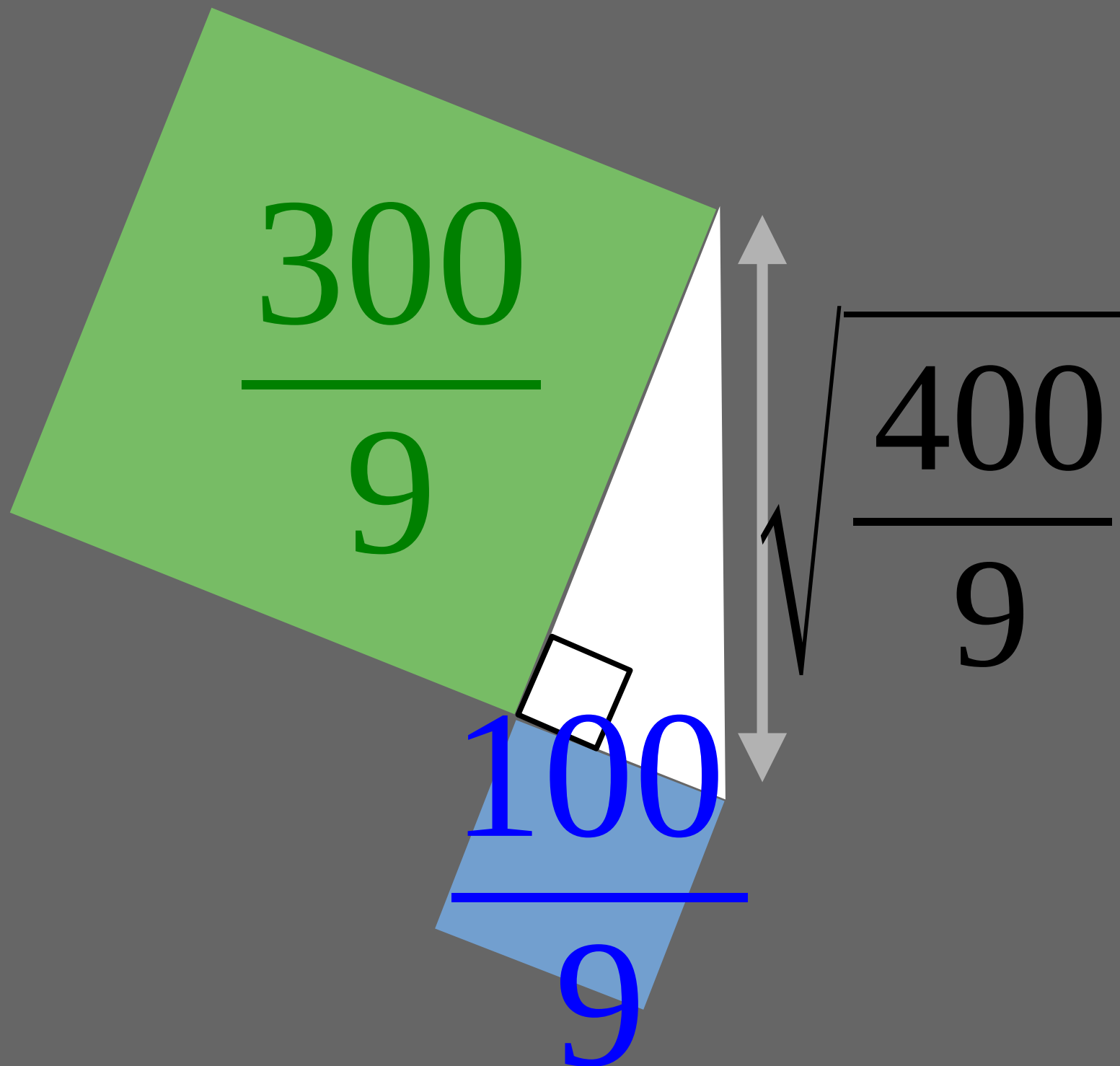


Fraction
au carré:

$$\left(\frac{e}{f}\right)^2 = \frac{e^2}{f^2}$$

Racine carrée de fraction :

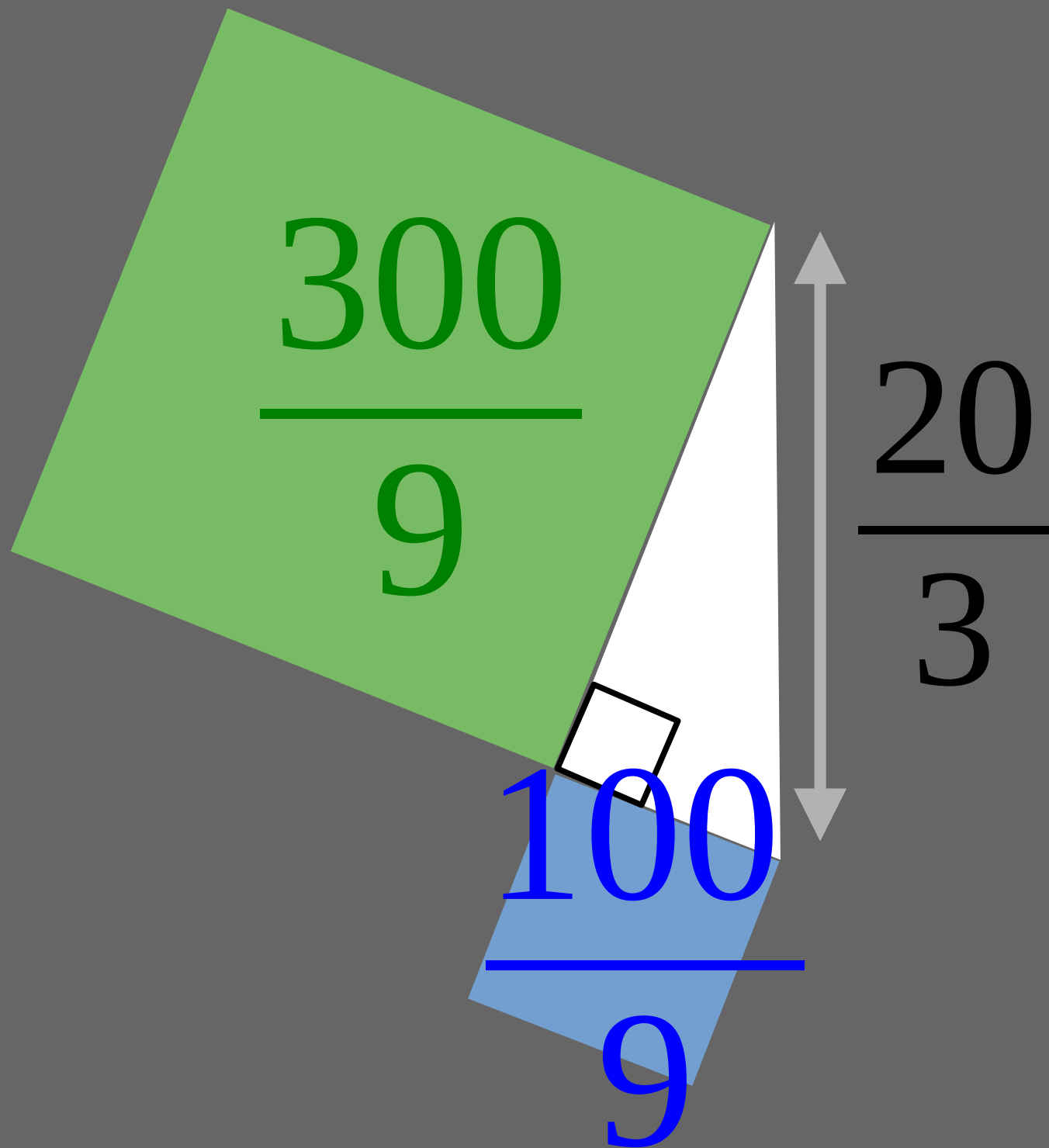
$$\sqrt{\frac{e}{f}} = \frac{\sqrt{e}}{\sqrt{f}}$$

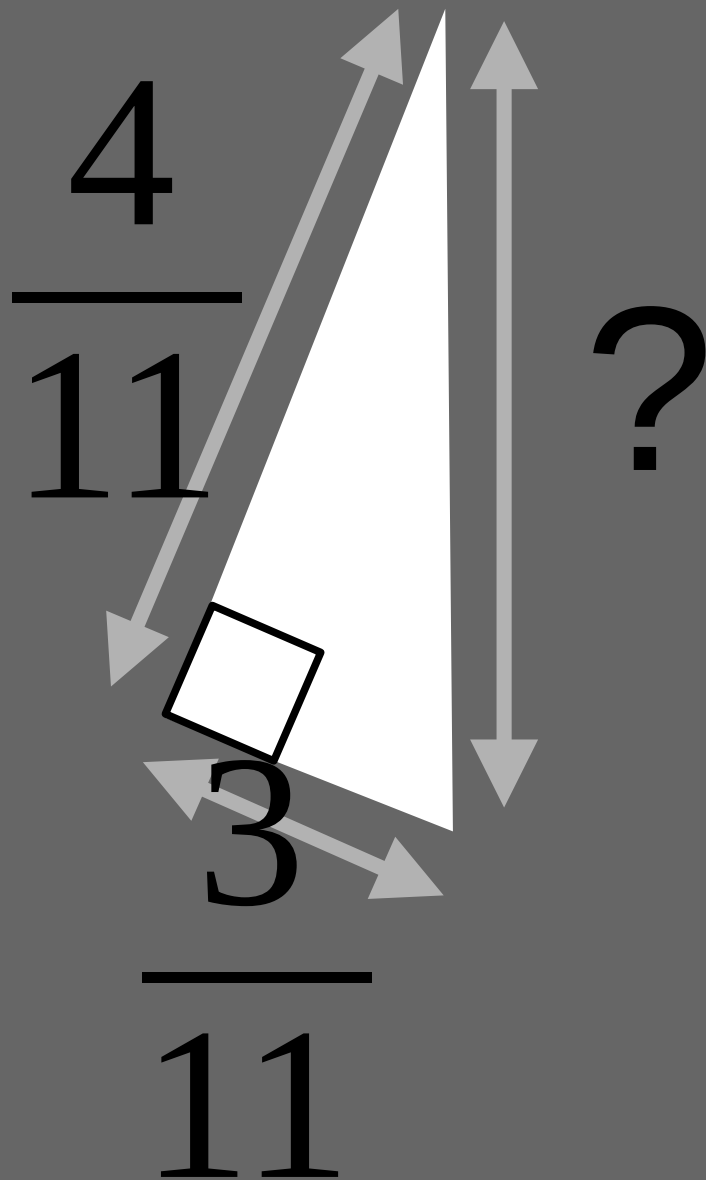


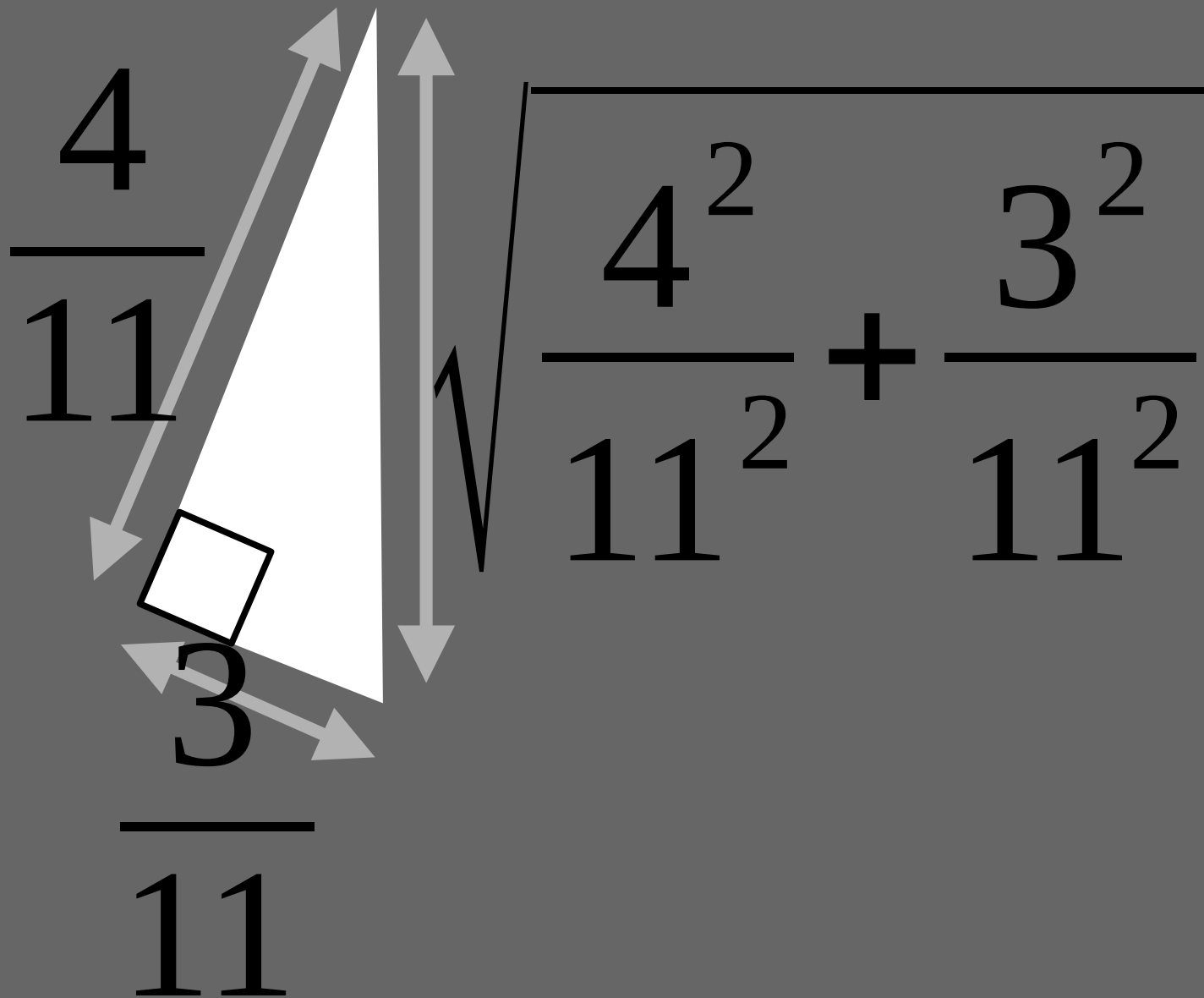

$$\frac{300}{9}$$

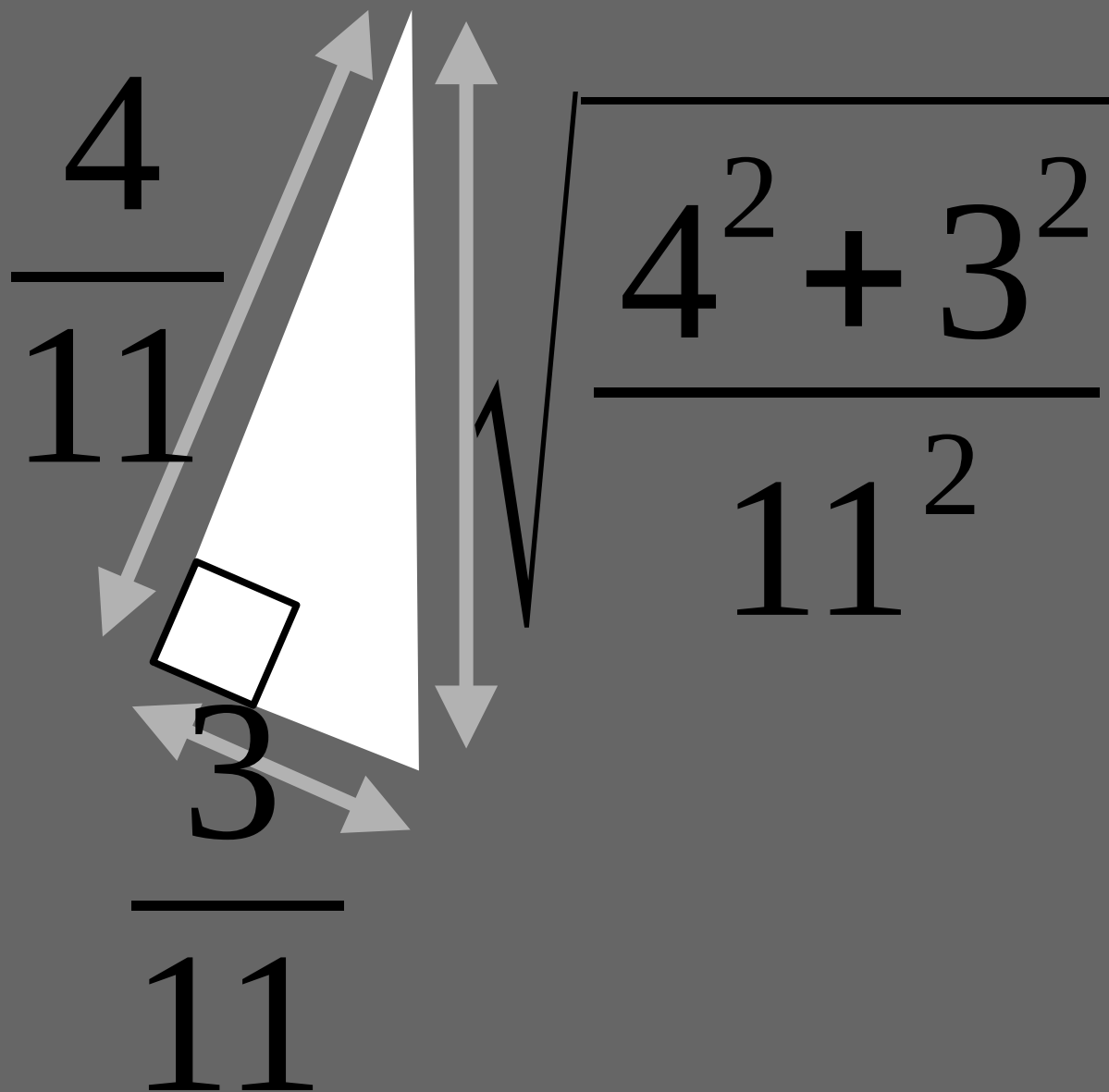
$$\frac{\sqrt{400}}{\sqrt{9}}$$

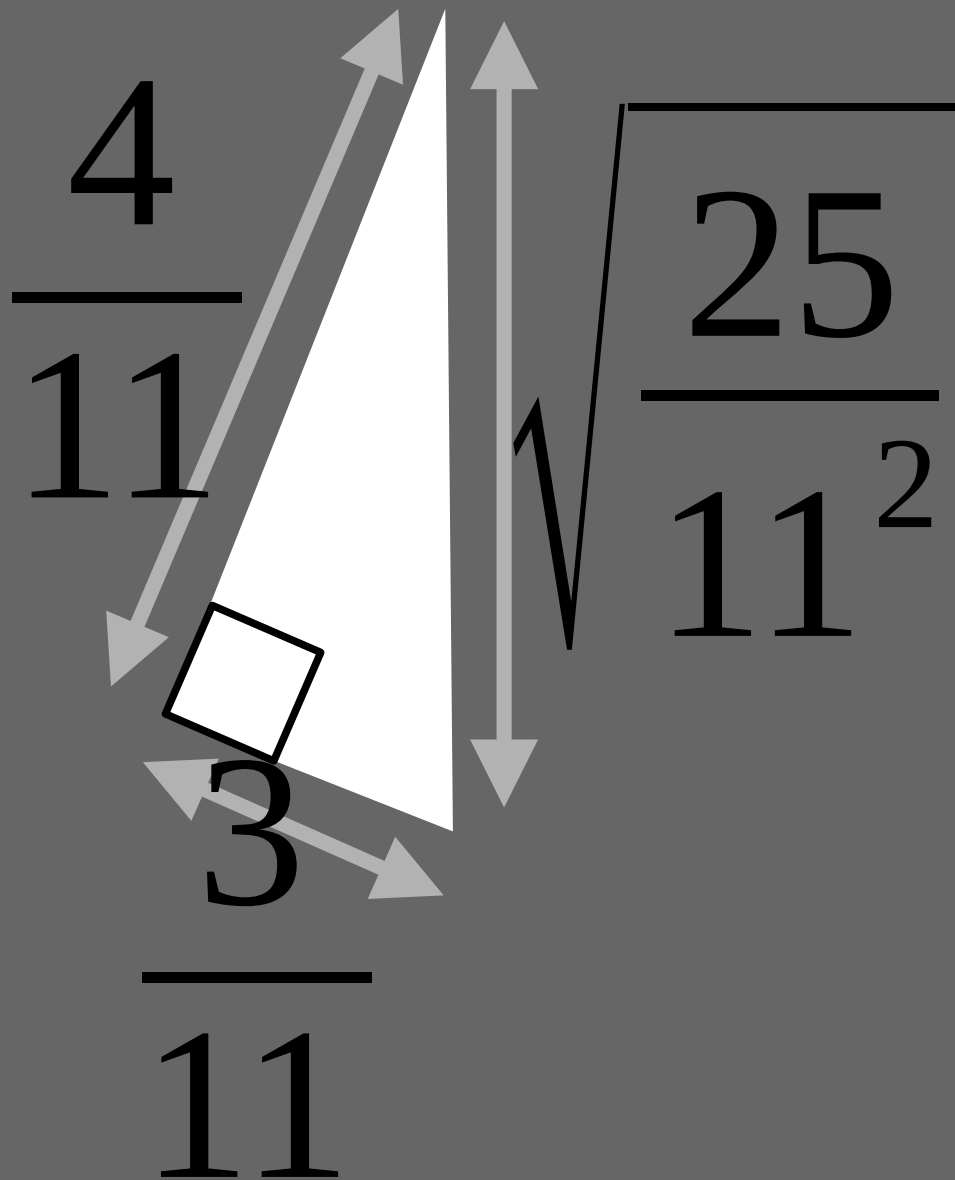
$$\frac{100}{9}$$

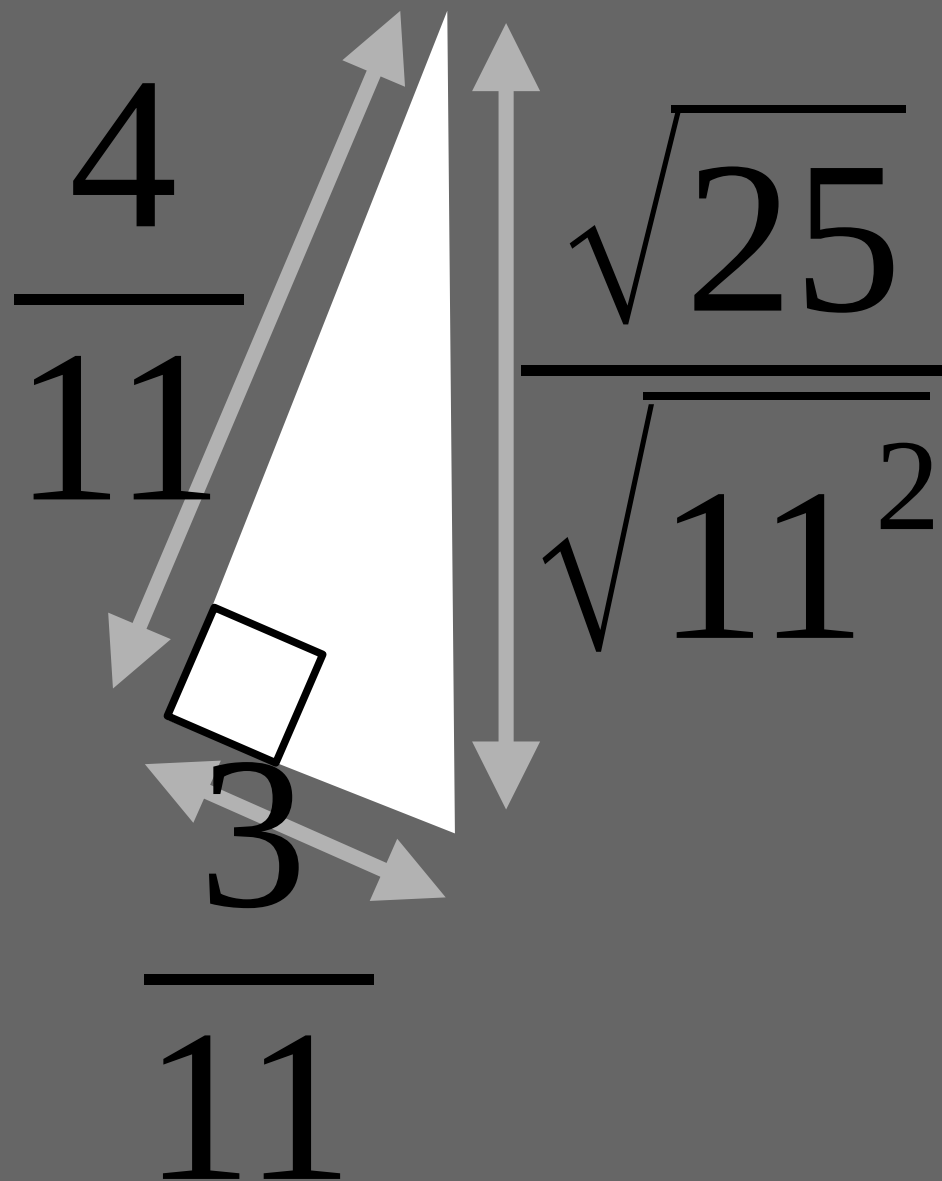


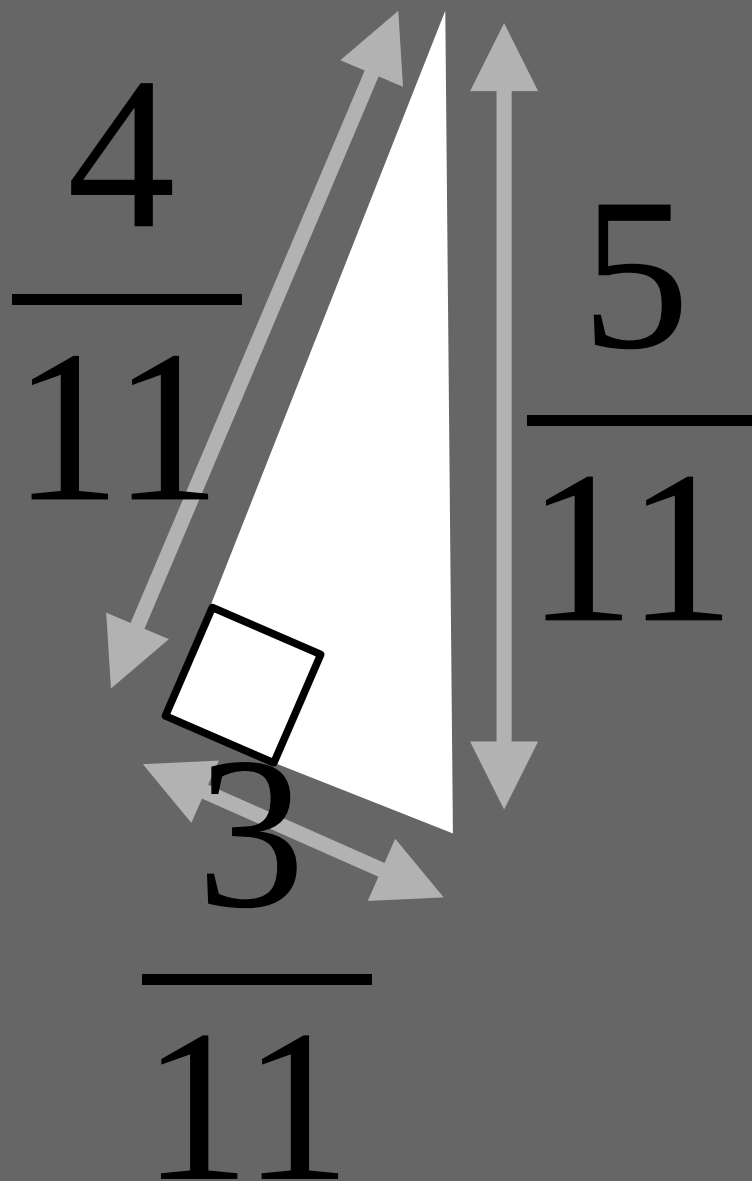


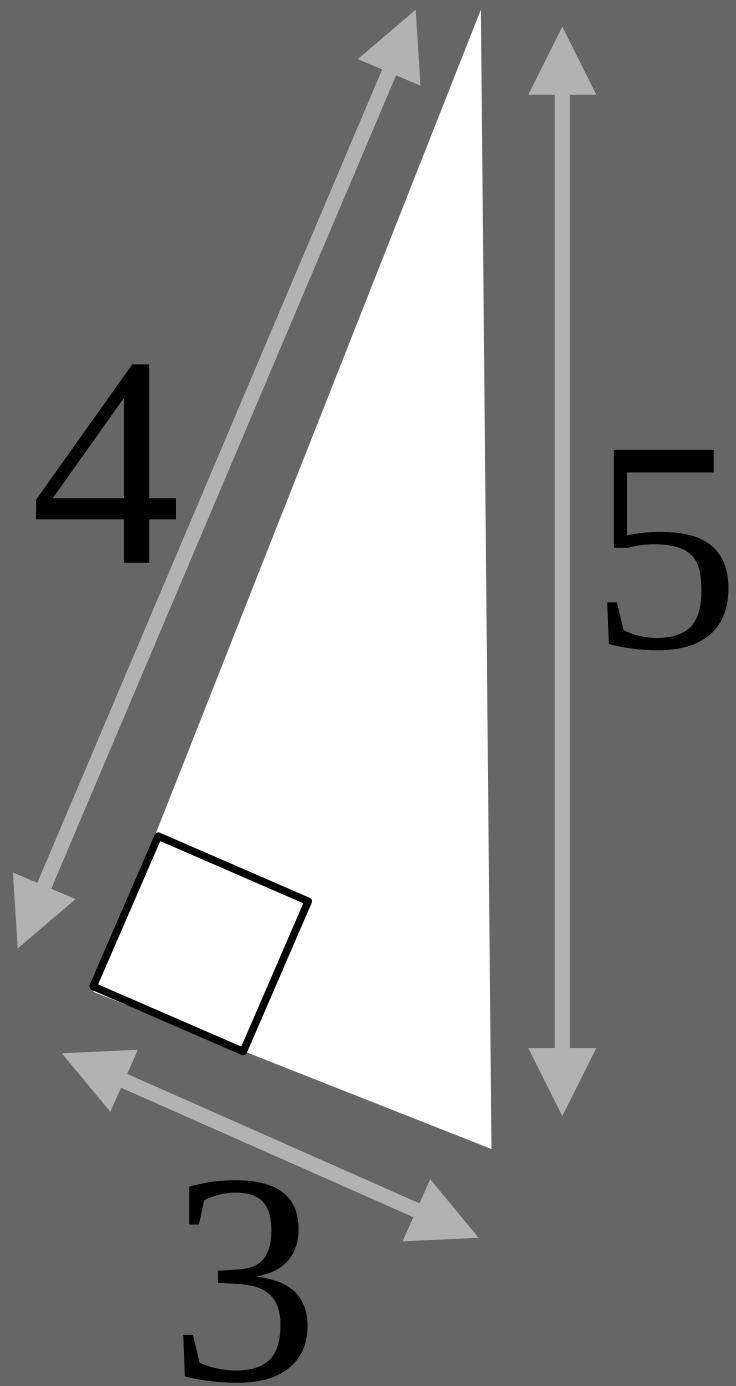
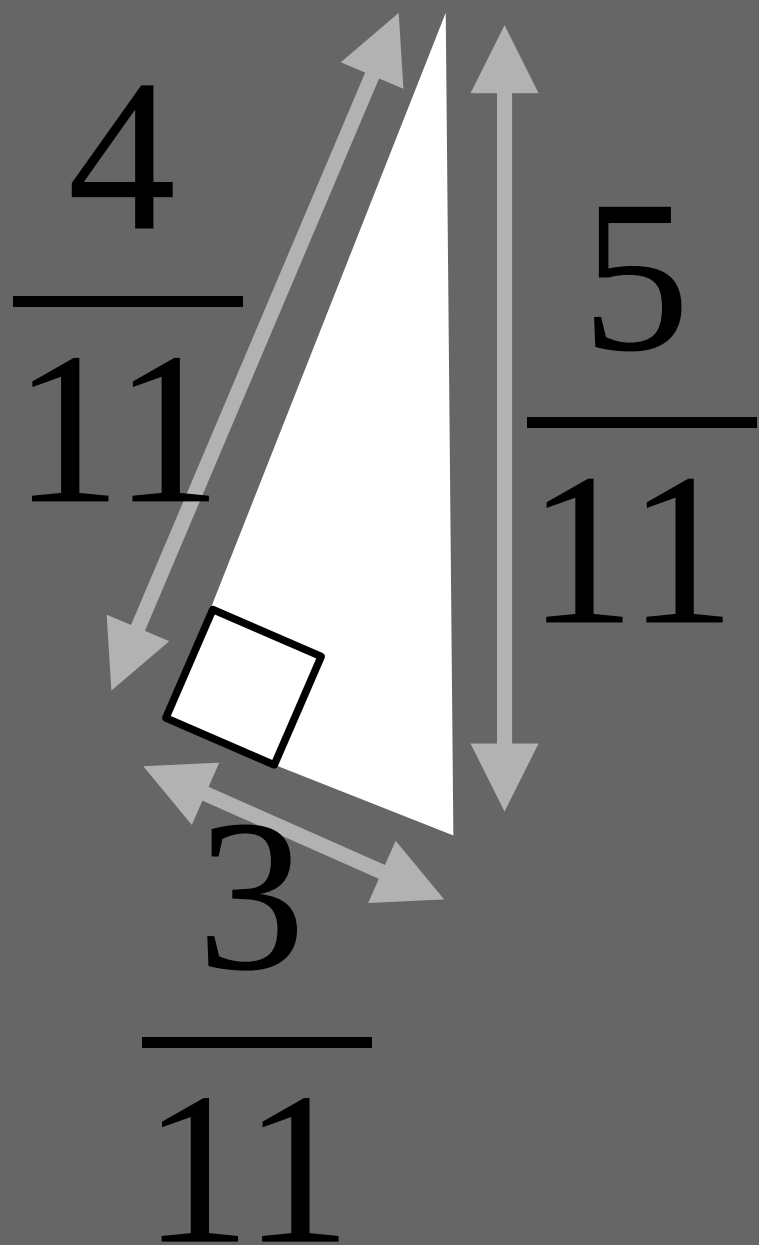


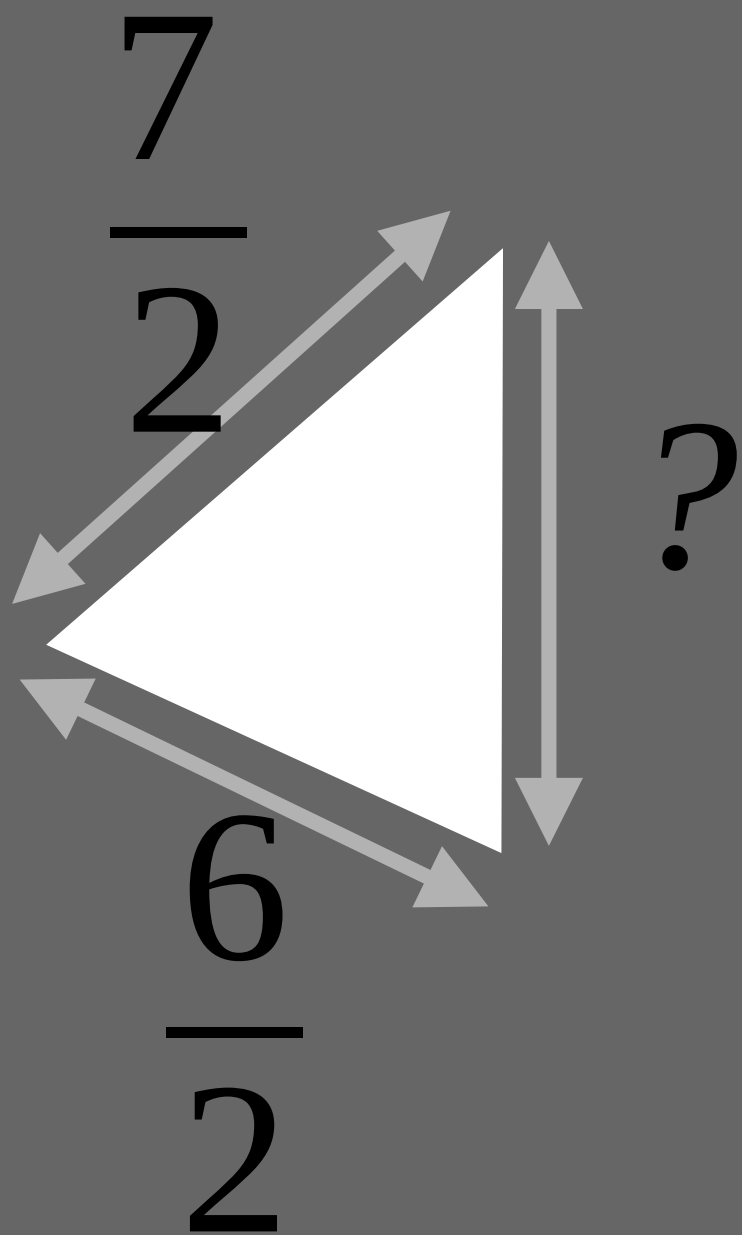




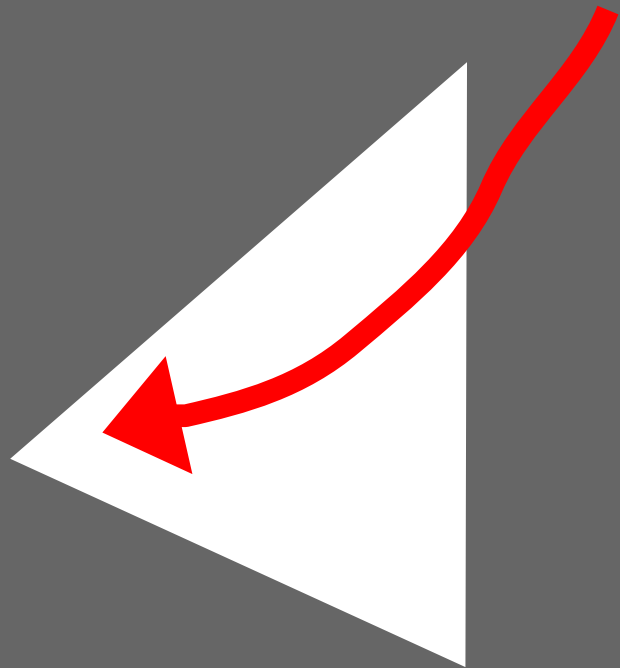






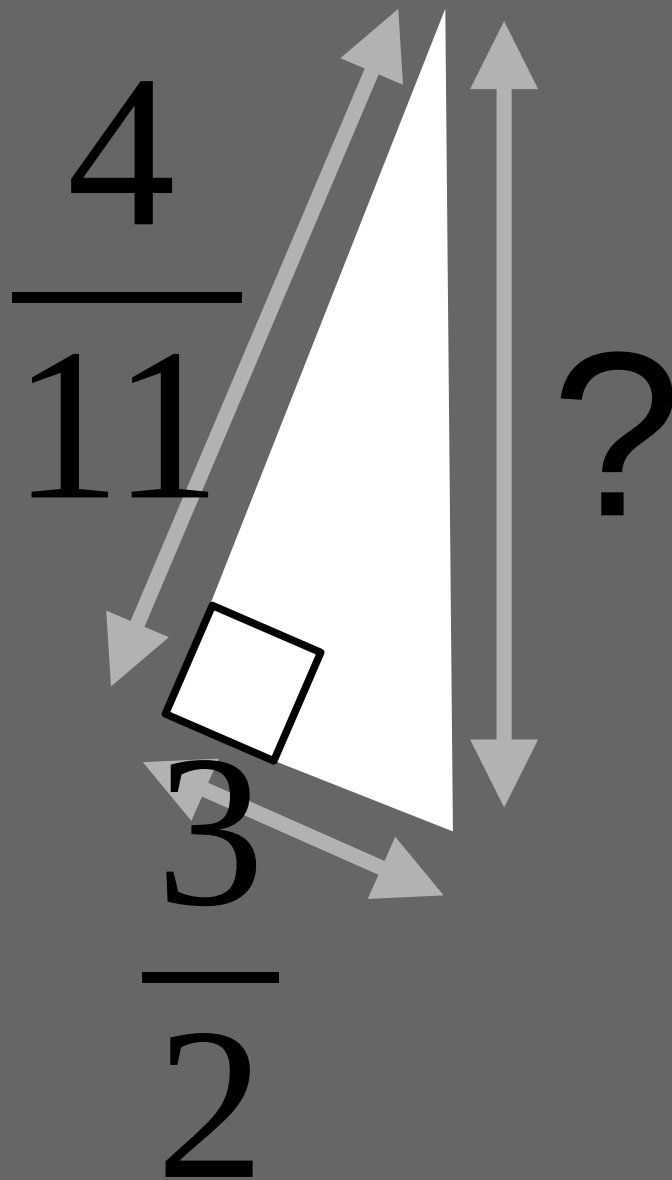


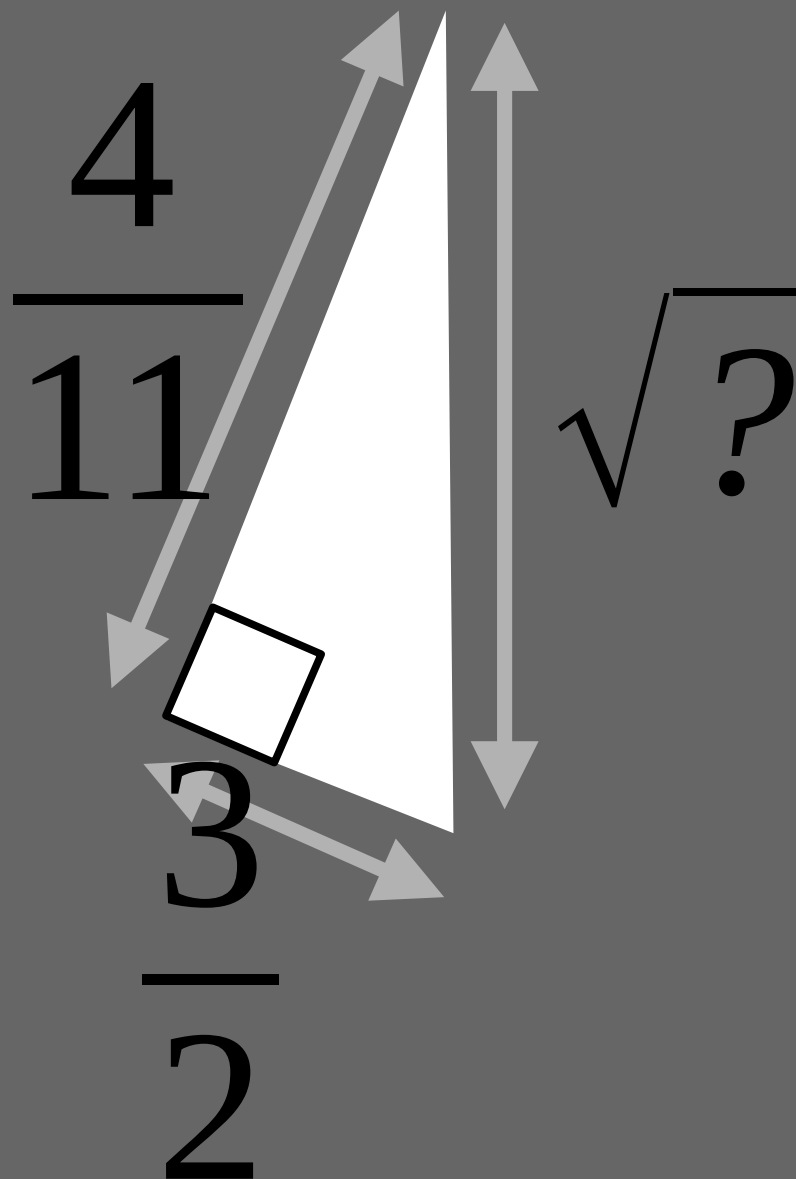
Pas
d'angle
droit :

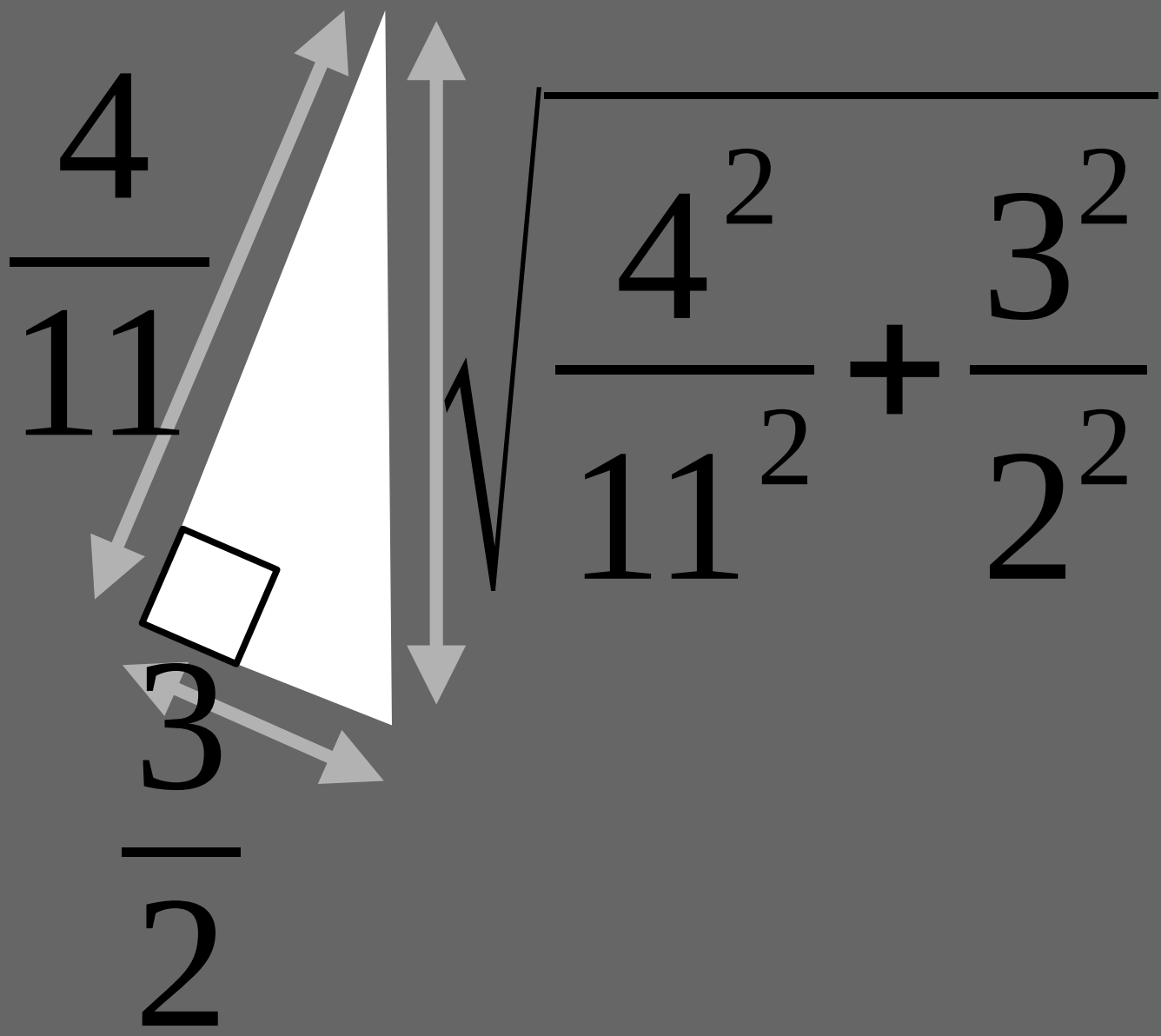


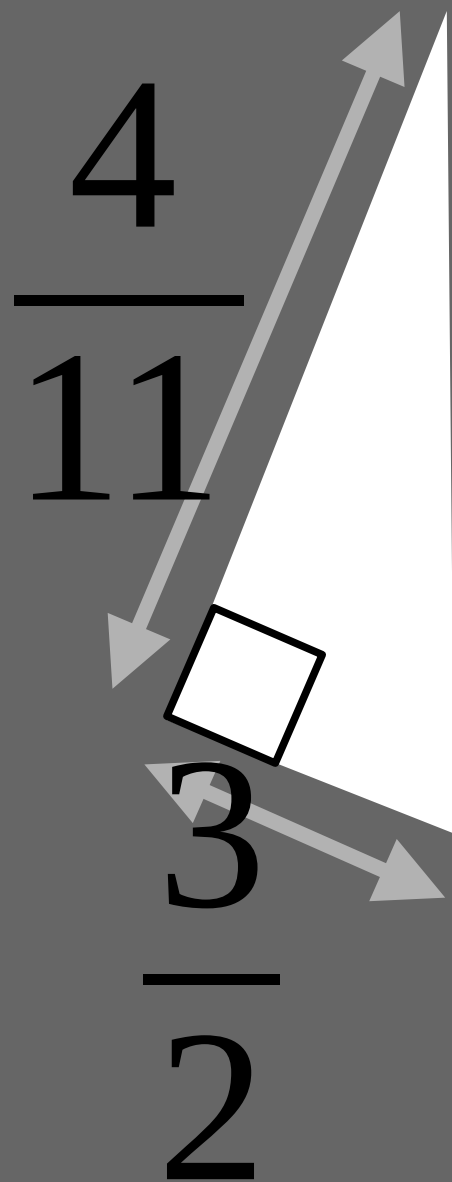
on ne peut pas
utiliser le théorème

Défi

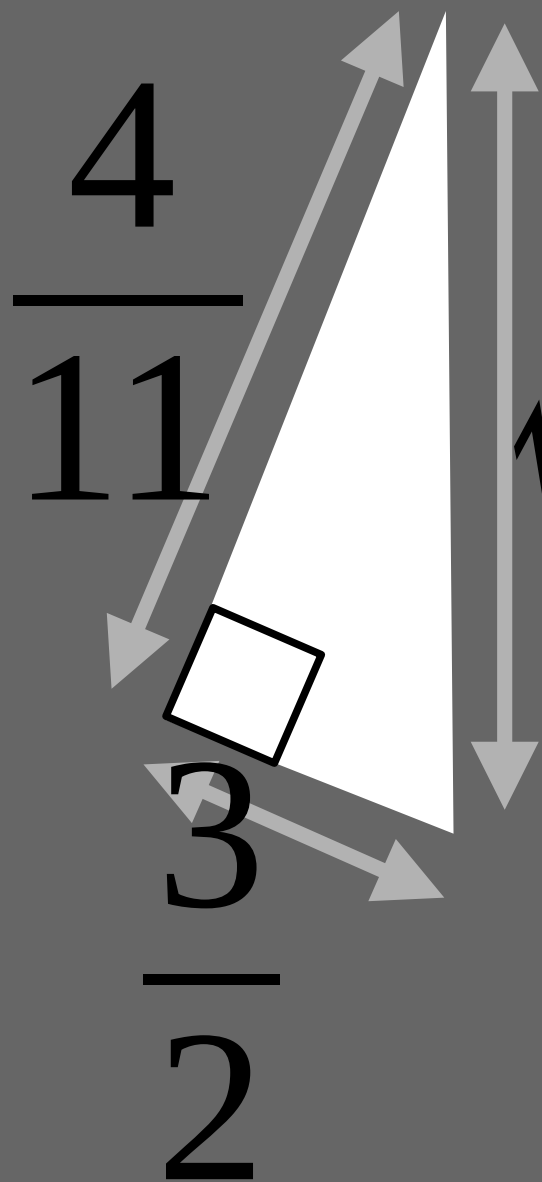




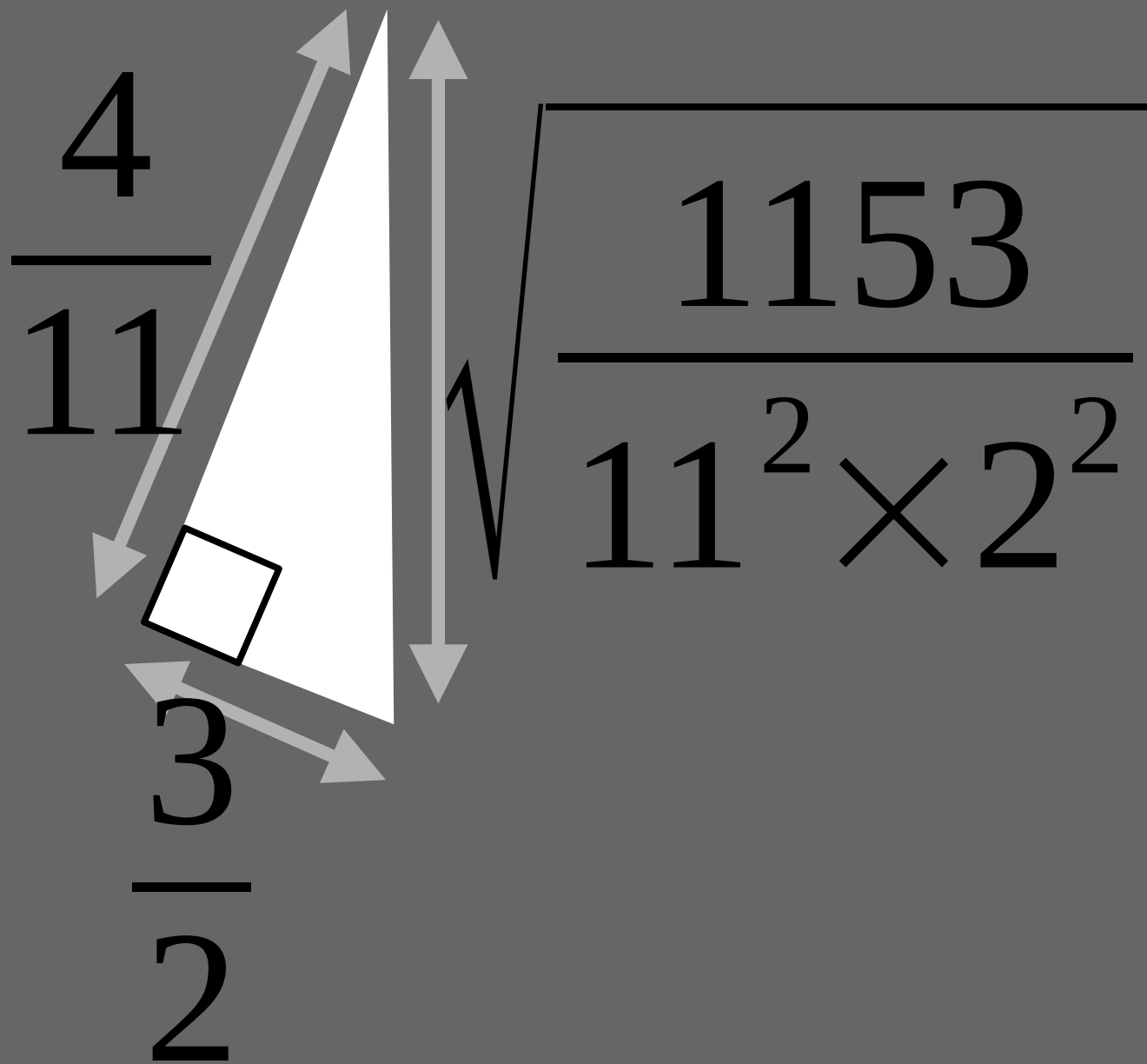


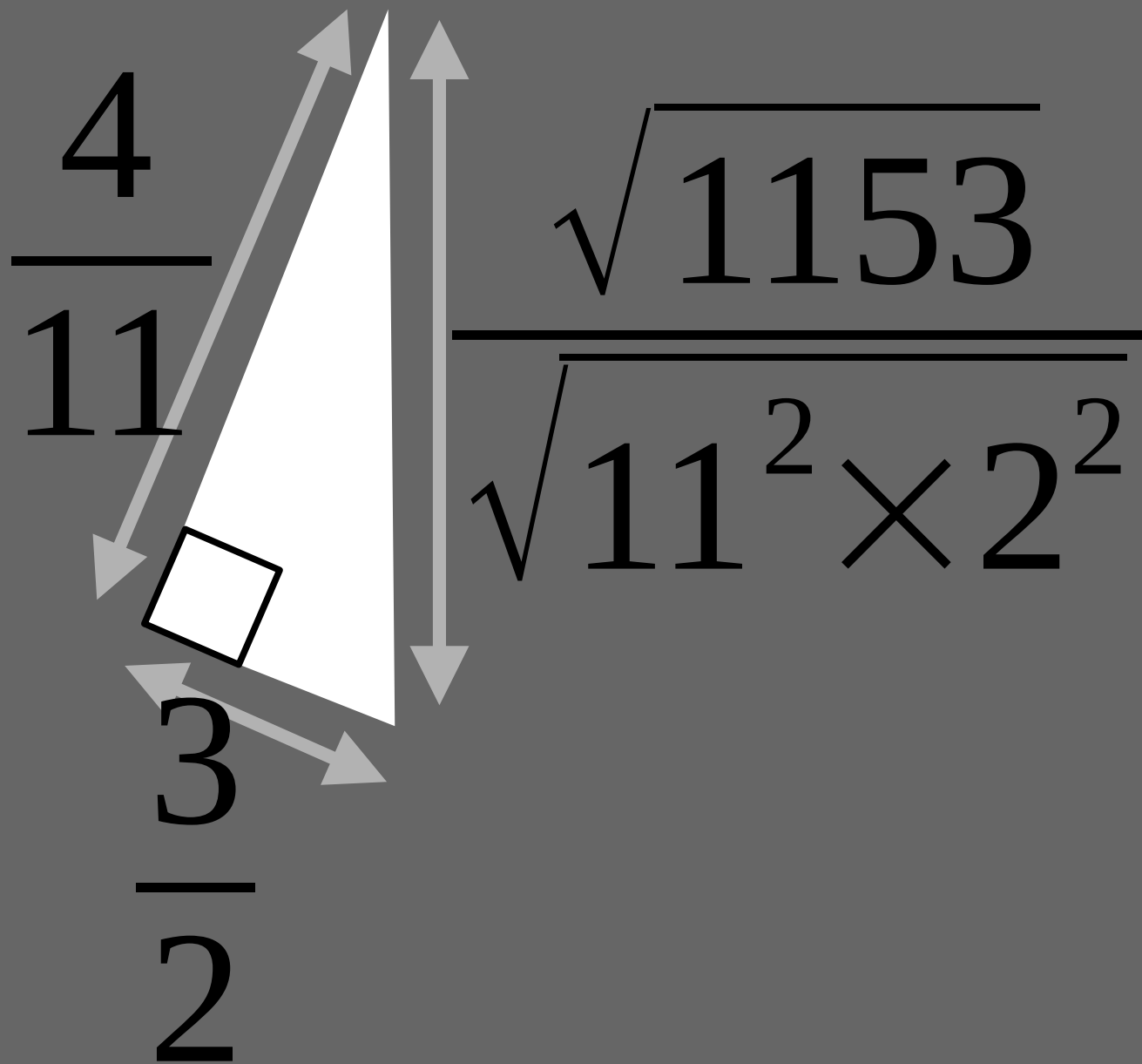


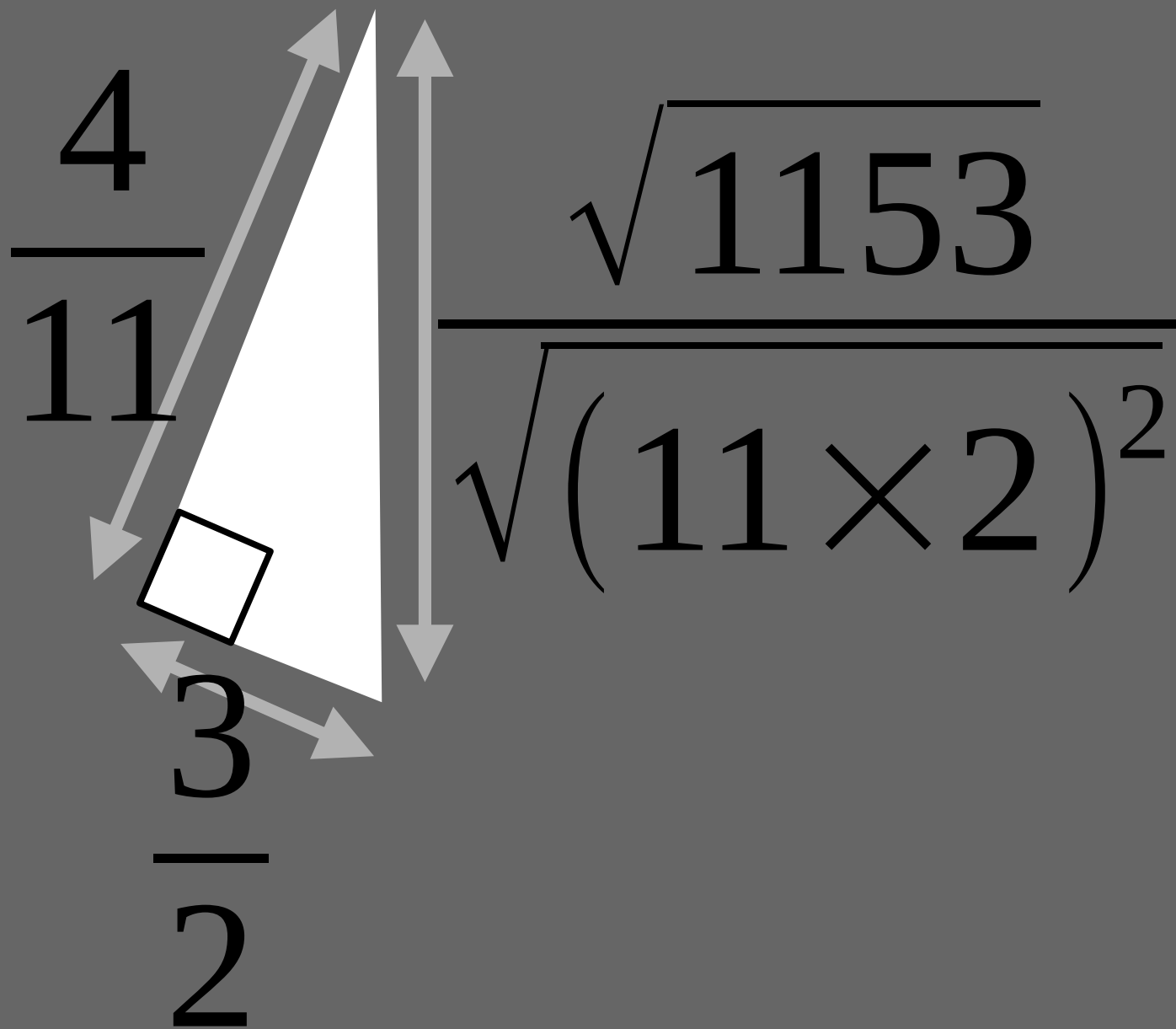
$$\sqrt{\frac{4^2 \times 2^2 + 3^2 \times 11^2}{11^2 \times 2^2}}$$

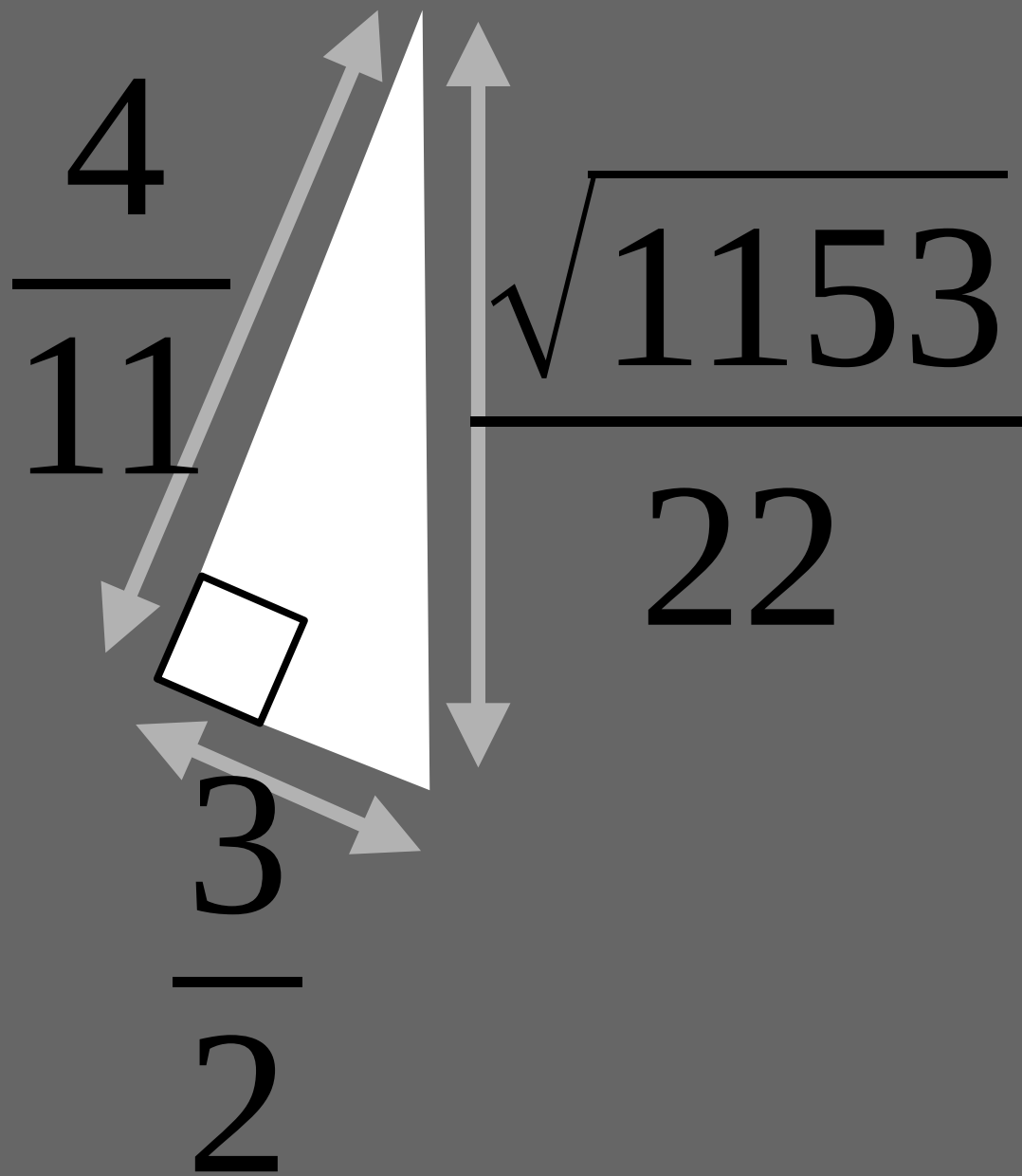


$$\frac{64 + 1089}{11^2 \times 2^2}$$

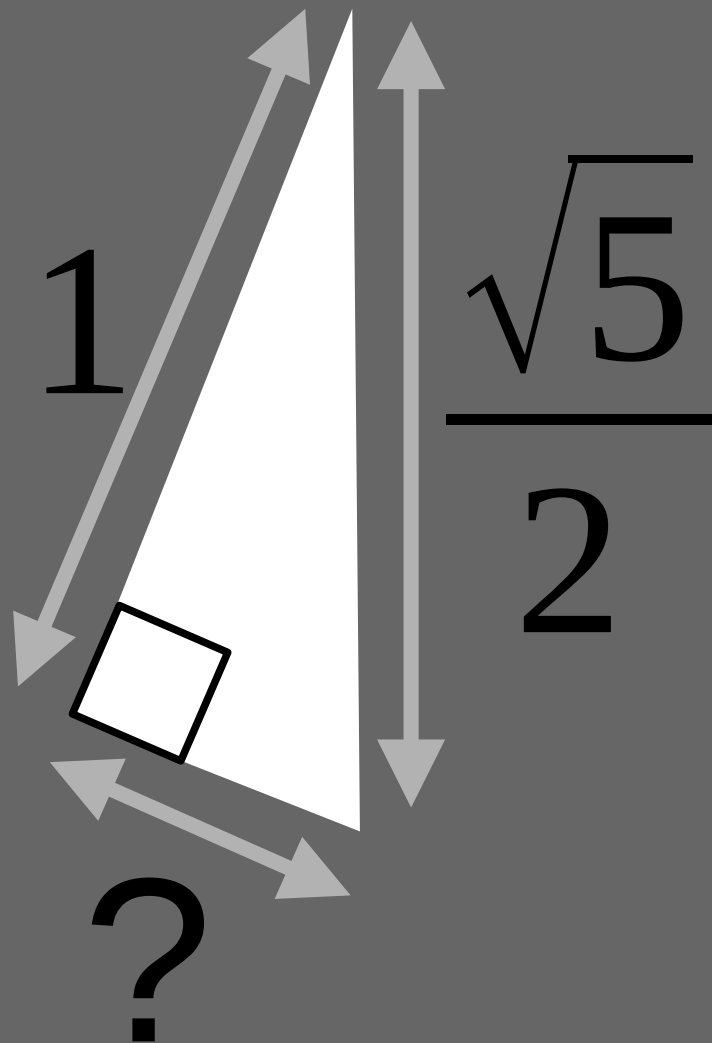


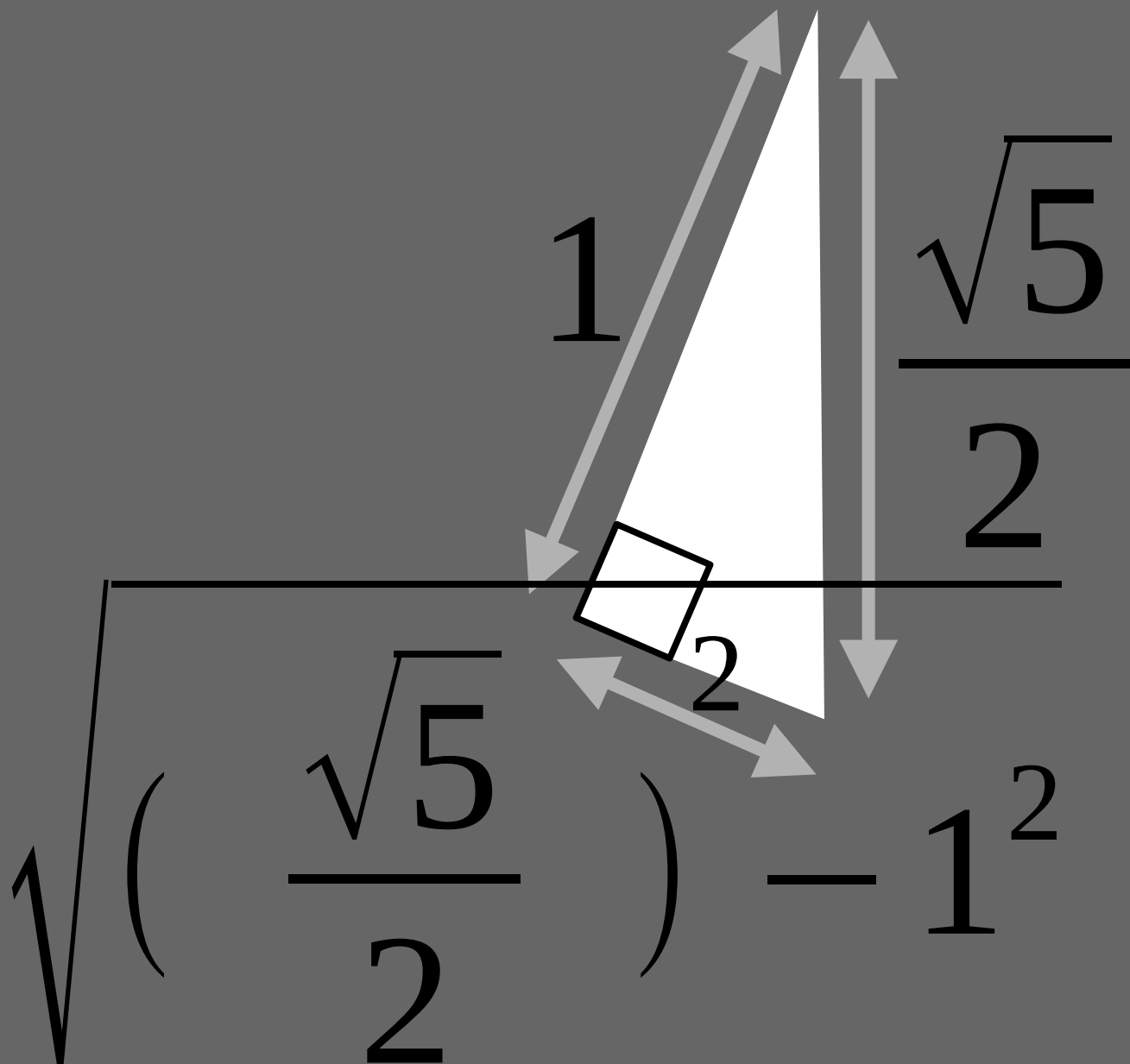


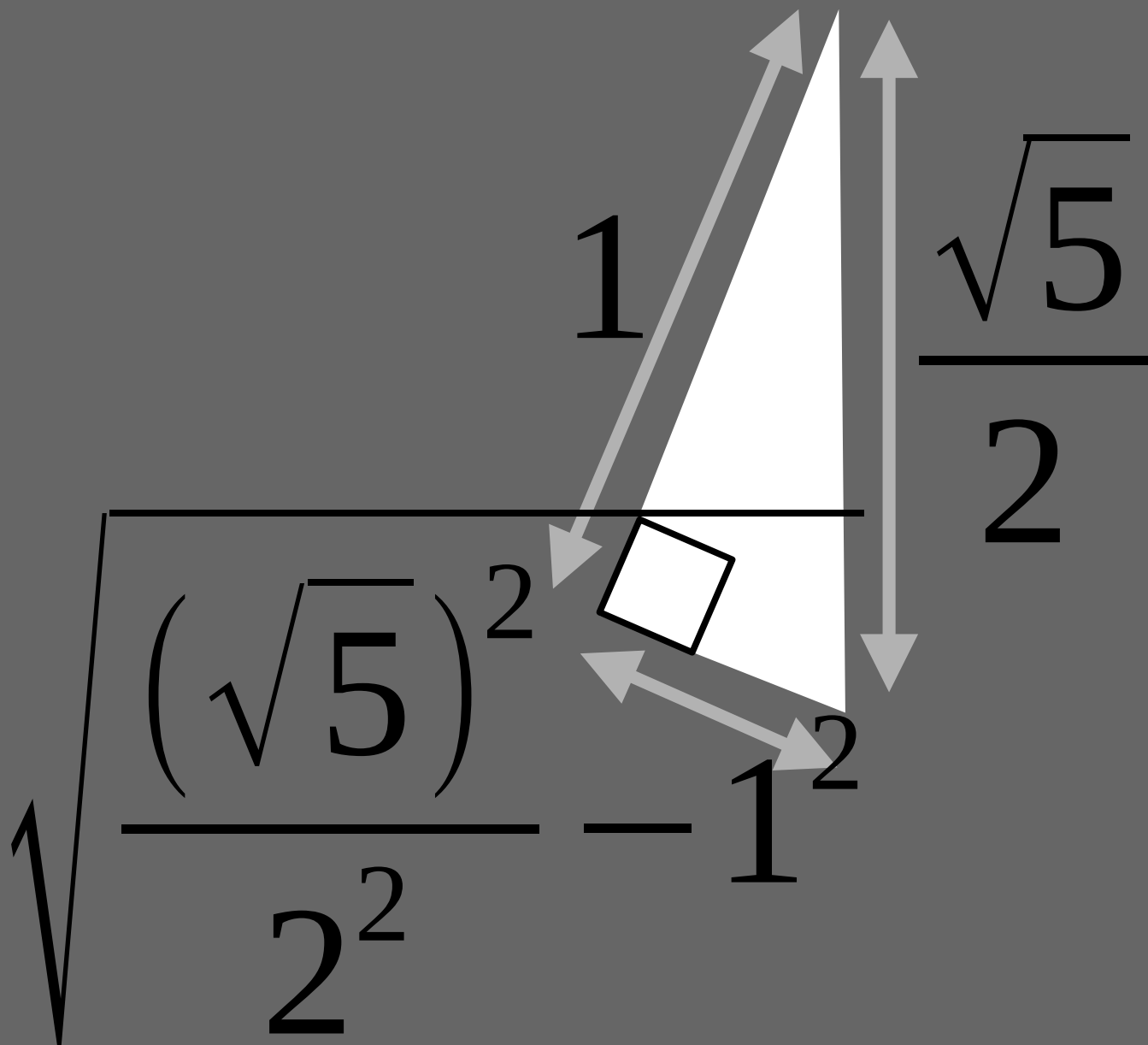


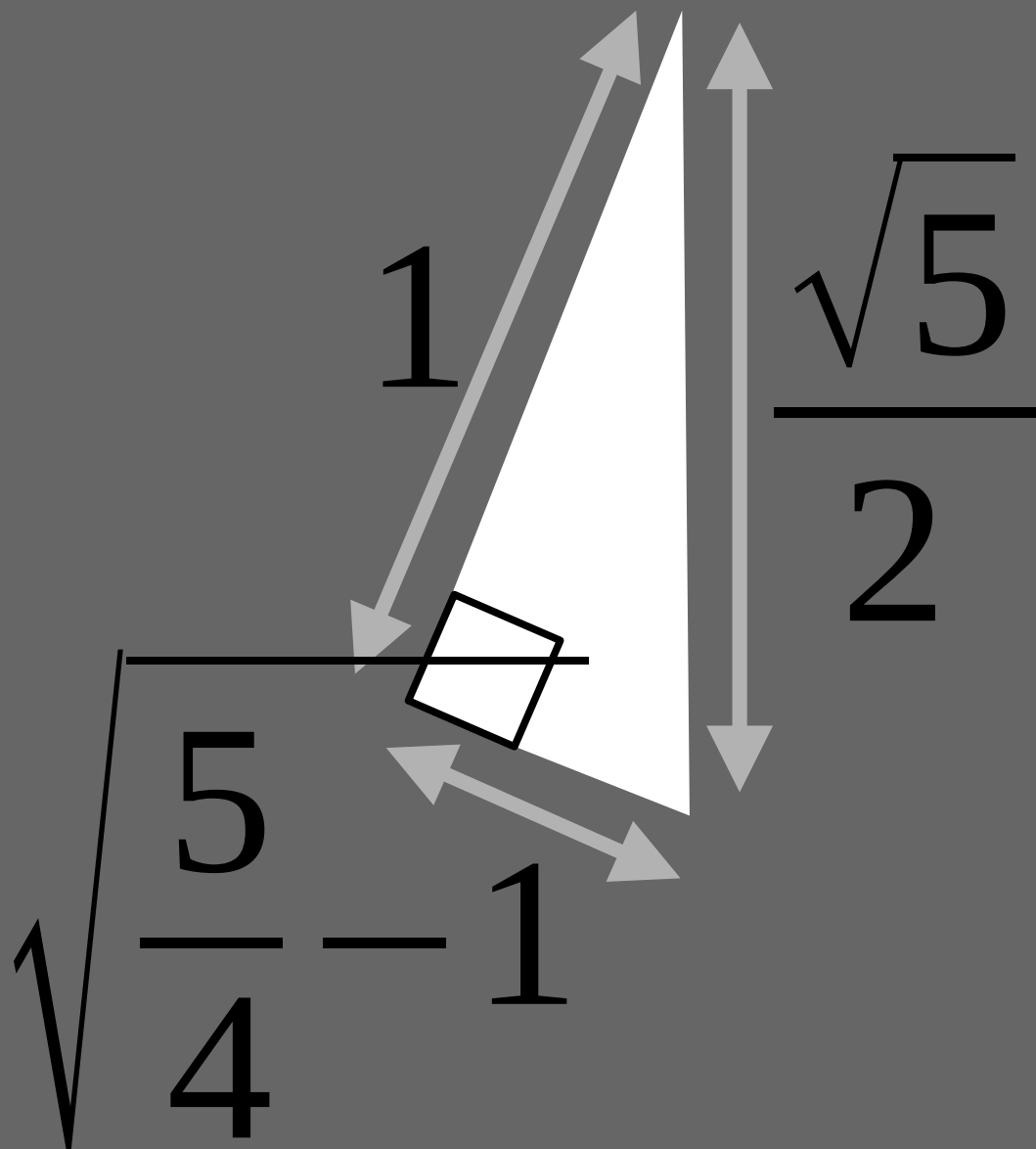


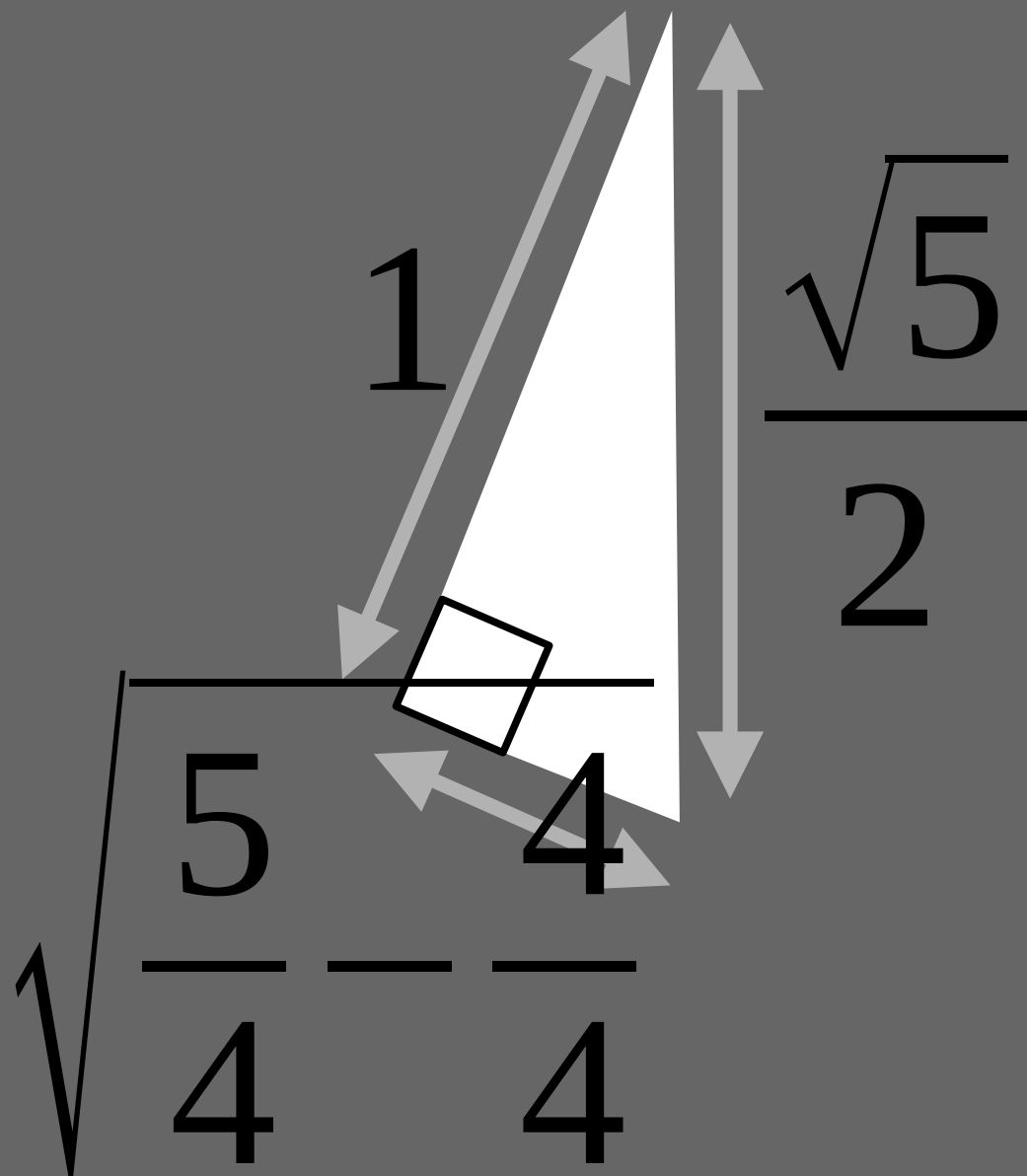
Calcule
la longueur
du côté manquant

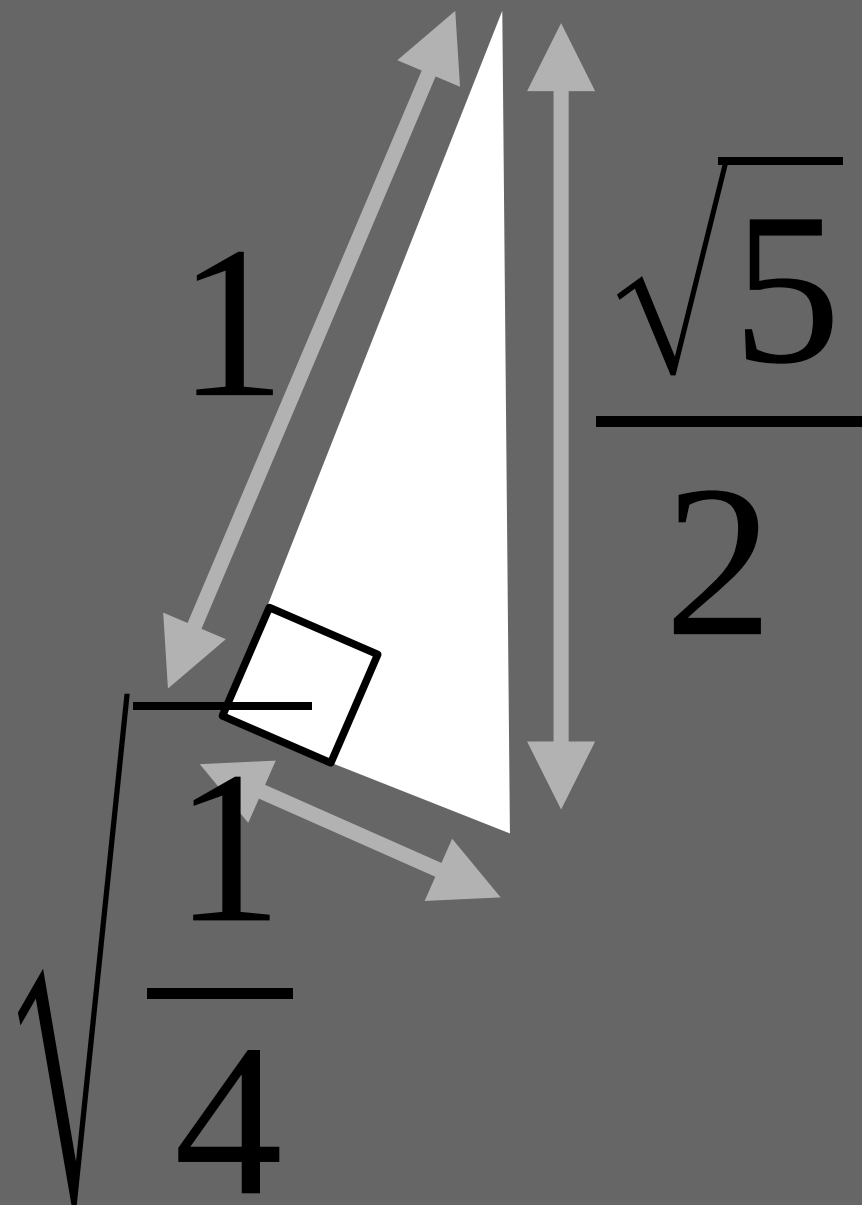


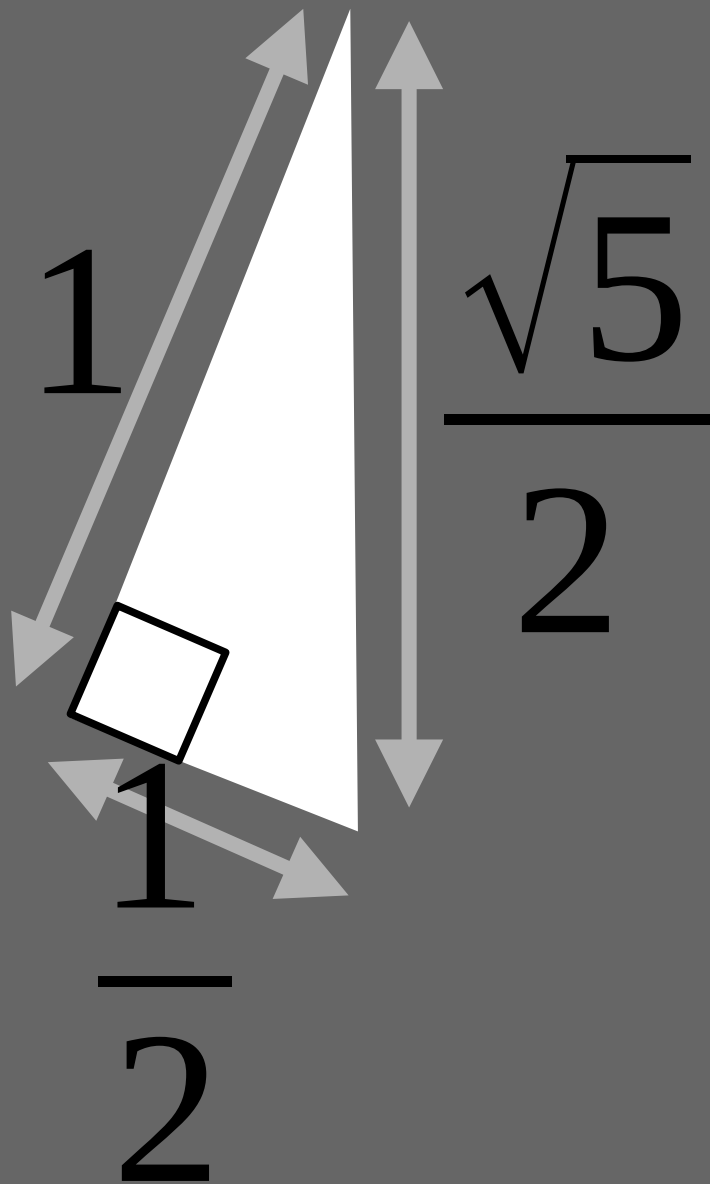












Bien
joué !