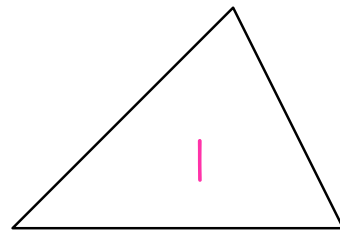
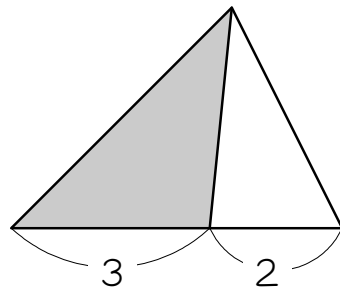


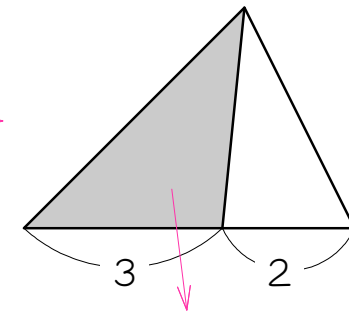
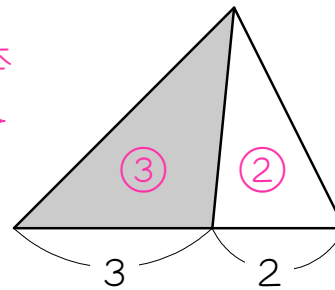
ステップ1 全体の面積を1とする

1 色のついた部分の面積は、全体の面積の何倍ですか。

例)



合体

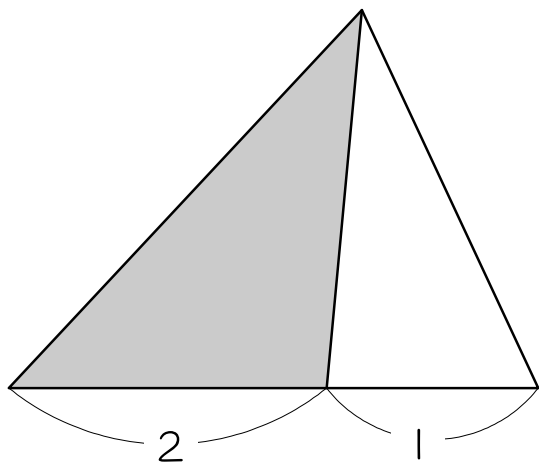


全体の面積を
1とすると、

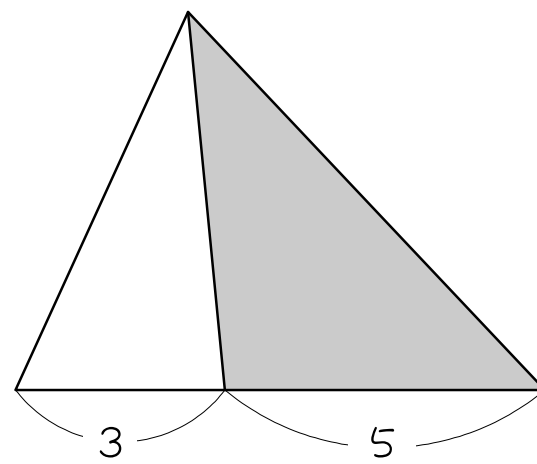
面積の比が3 : 2
なので、3 : 2に
比例配分

$$1 \times \frac{3}{3+2} = \frac{3}{5}$$

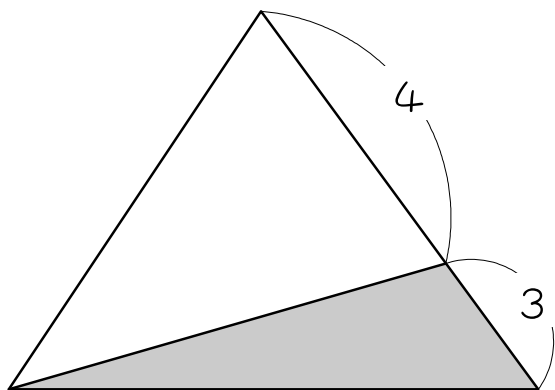
(1) 答えだけでOK。



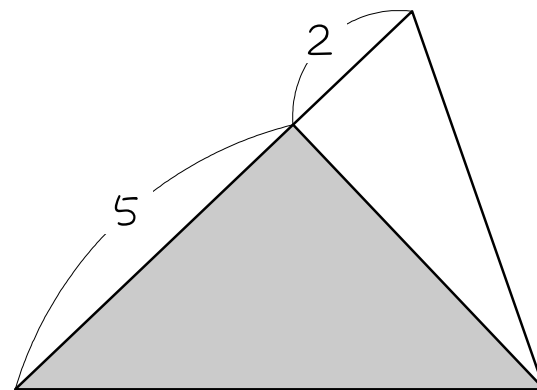
(2)



(3)



(4)

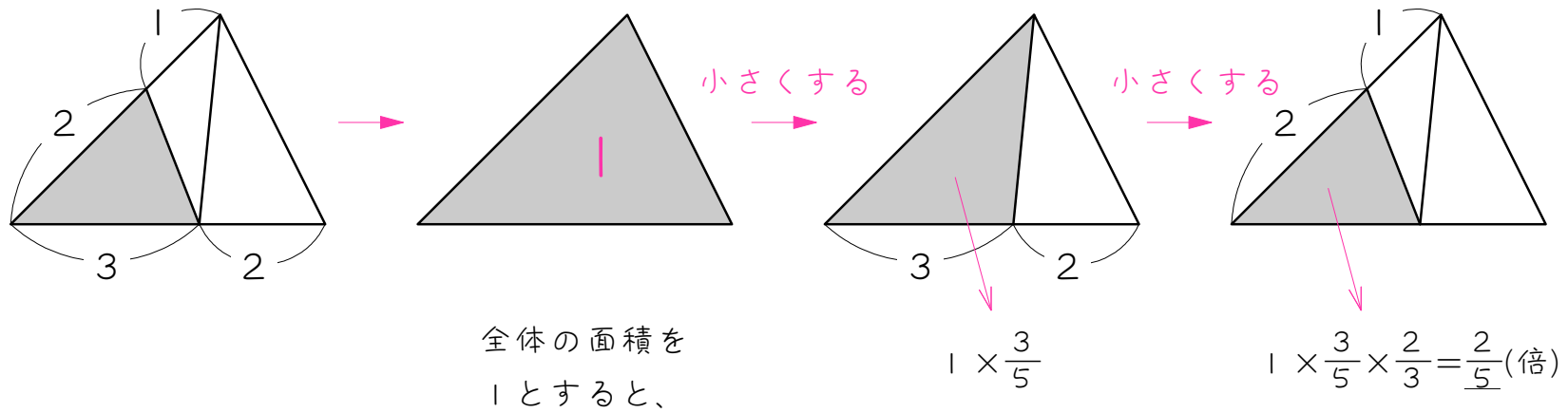


ステップ2 全体から小さくしていく

2

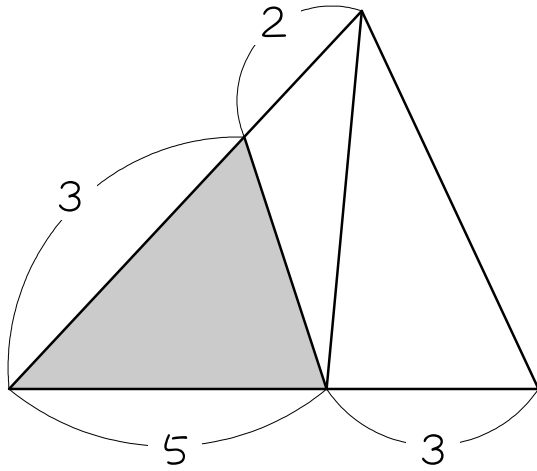
色のついた部分の面積は、全体の面積の何倍ですか。

例)

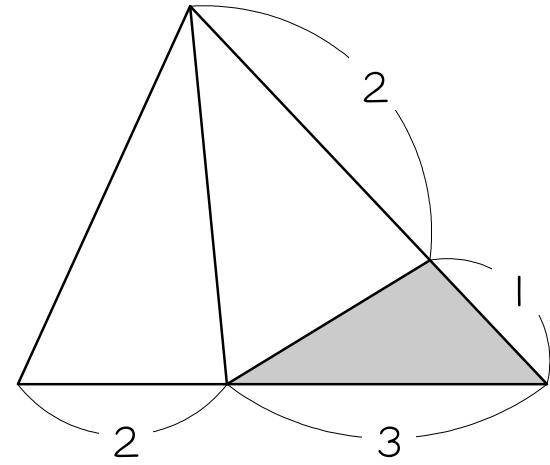


※「1」は省略してもよい。

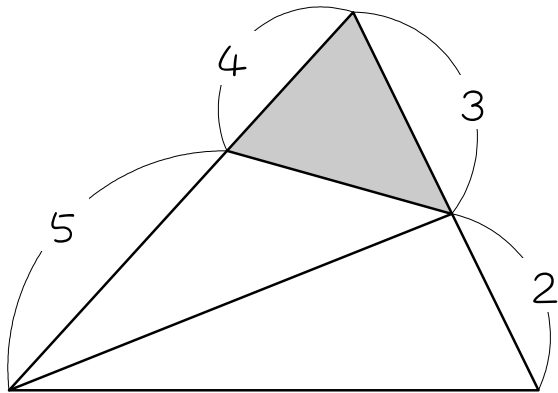
(1)



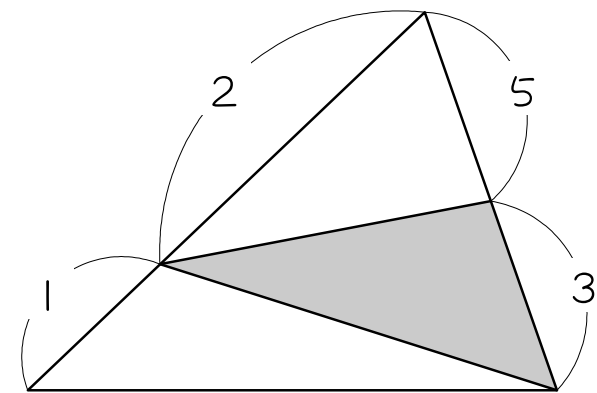
(2)



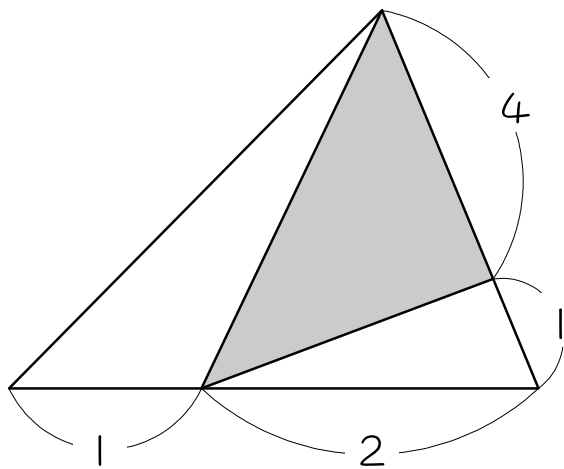
(3)



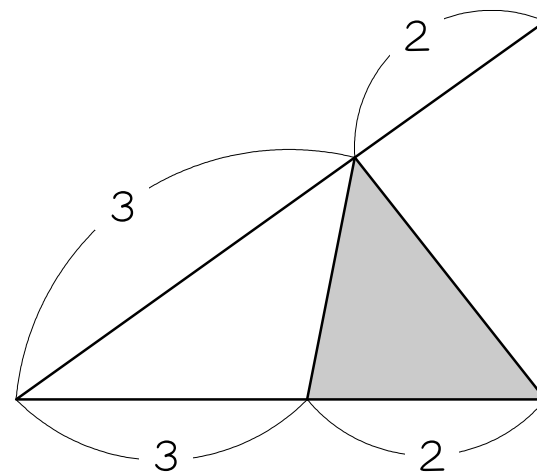
(4)



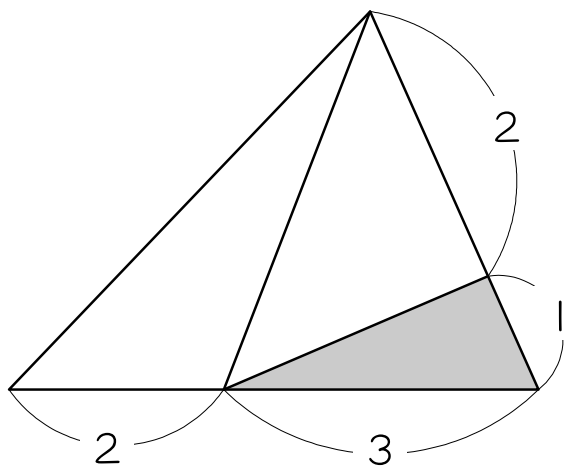
(5)



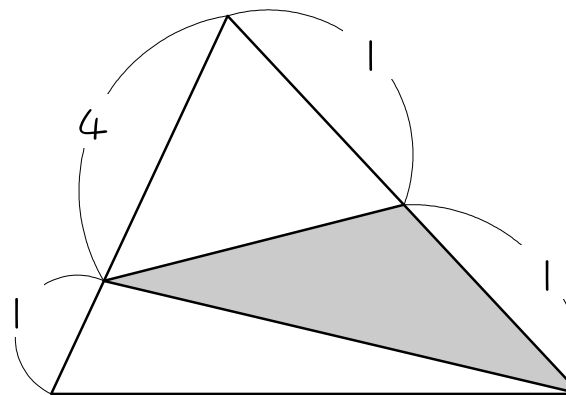
(6)



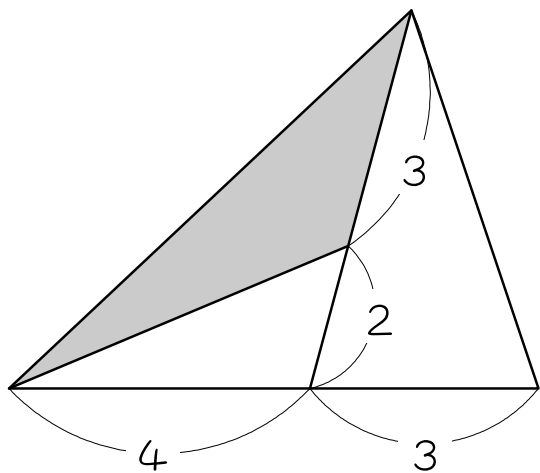
(7)



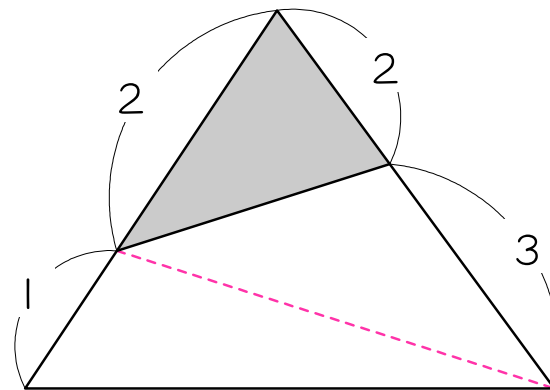
(8)



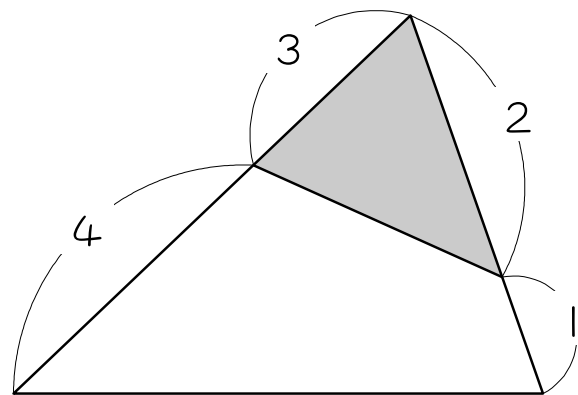
(9)



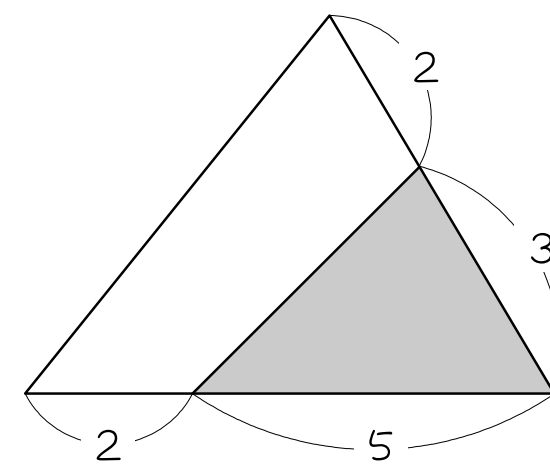
(10) 補助線を引きます



(11)



(12)

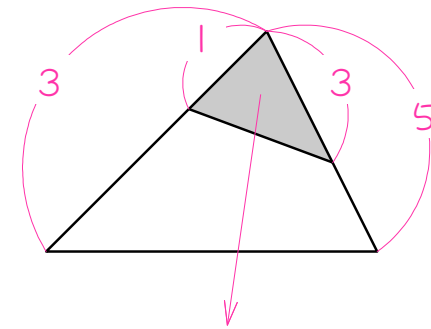
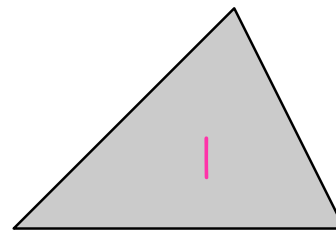
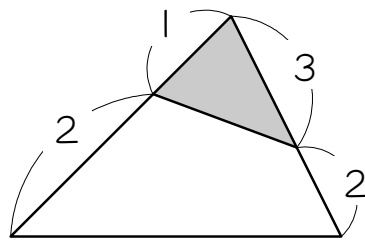


ステップ3 公式として覚える (三角形のかどっこの公式)

3

色のついた部分の面積は、全体の面積の何倍ですか。

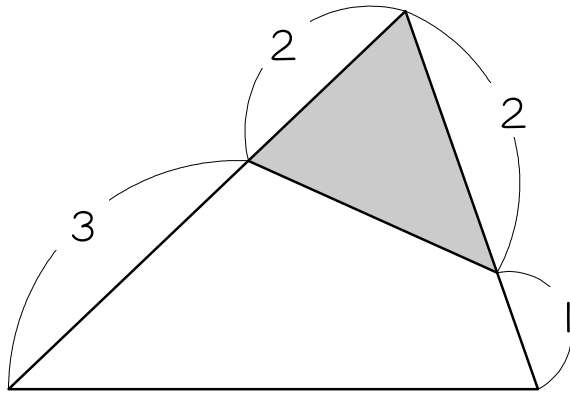
例)



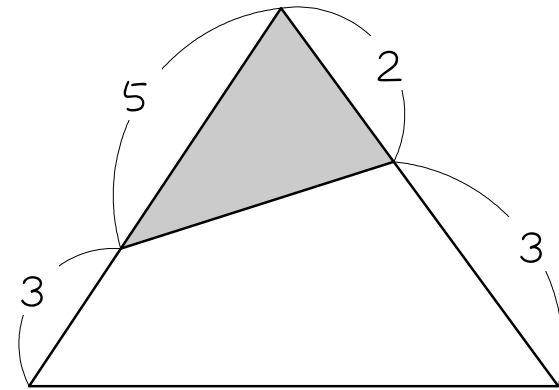
$$\frac{1}{3} \times \frac{3}{5} = \frac{1}{5}$$

<三角形のかどっこの公式>

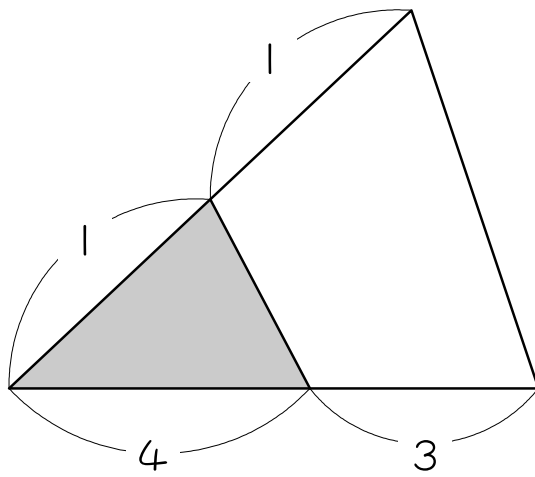
(1)



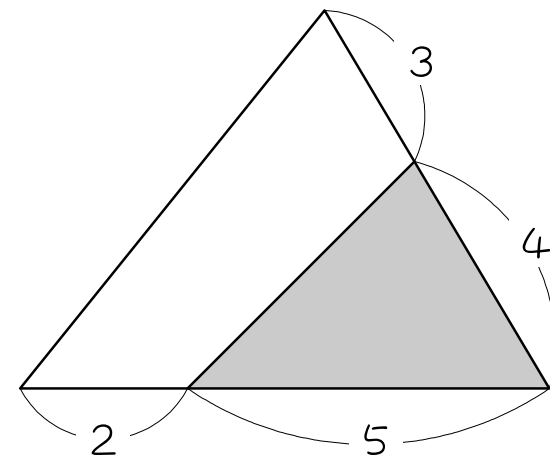
(2)



(3)



(4)



—— 解答 ——

$$\boxed{1} \quad (1) \frac{2}{3} \quad (2) \frac{5}{8} \quad (3) \frac{3}{7} \quad (4) \frac{5}{7}$$

$$\boxed{2} \quad (1) \frac{5}{8} \times \frac{3}{5} = \frac{3}{8} \quad (2) \frac{3}{5} \times \frac{1}{3} = \frac{1}{5}$$

$$(3) \frac{3}{5} \times \frac{4}{9} = \frac{4}{15} \quad (4) \frac{2}{3} \times \frac{3}{8} = \frac{1}{4}$$

$$(5) \frac{2}{3} \times \frac{4}{5} = \frac{8}{15} \quad (6) \frac{3}{5} \times \frac{2}{5} = \frac{6}{25}$$

$$(7) \frac{3}{5} \times \frac{1}{3} = \frac{1}{5} \quad (8) \frac{4}{5} \times \frac{1}{2} = \frac{2}{5}$$

$$(9) \frac{4}{7} \times \frac{3}{5} = \frac{12}{35} \quad (10) \frac{2}{3} \times \frac{2}{5} = \frac{4}{15}$$

$$(11) \frac{3}{7} \times \frac{2}{3} = \frac{2}{7} \quad (12) \frac{5}{7} \times \frac{3}{5} = \frac{3}{7}$$

$$\boxed{3} \quad (1) \frac{2}{5} \times \frac{2}{3} = \frac{4}{15} \quad (2) \frac{5}{8} \times \frac{2}{5} = \frac{1}{4}$$

$$(3) \frac{1}{2} \times \frac{4}{7} = \frac{2}{7} \quad (4) \frac{4}{7} \times \frac{5}{7} = \frac{20}{49}$$