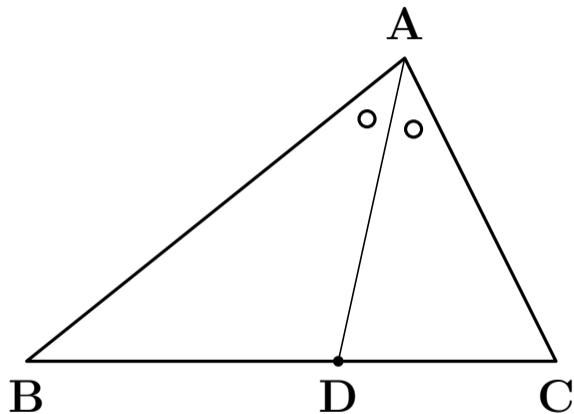
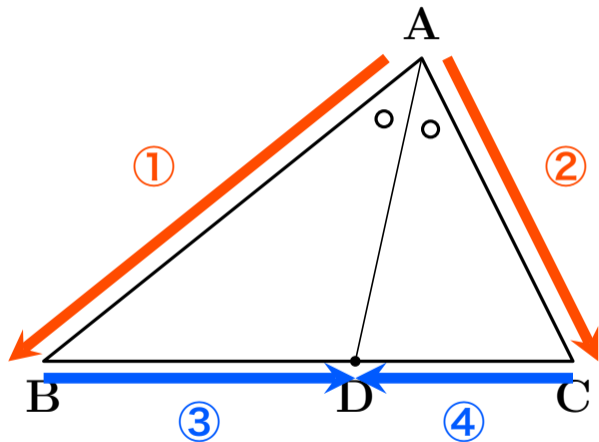


二等分線と比 (公式) 内角



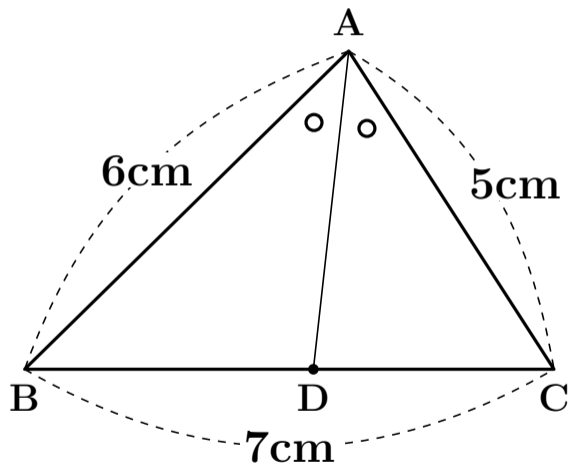
二等分線と比（公式） 内角



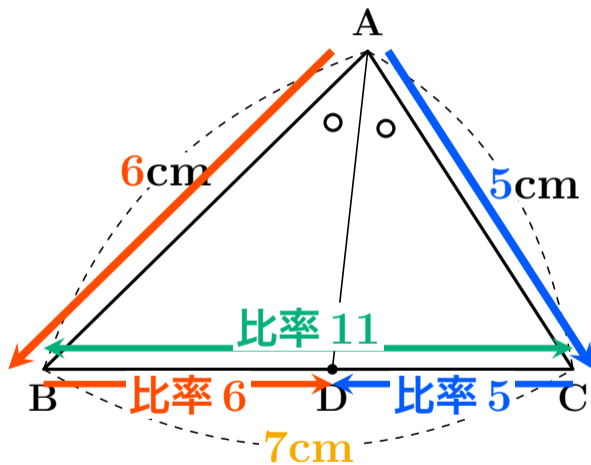
$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

例題 BD, CD の長さを求めなさい



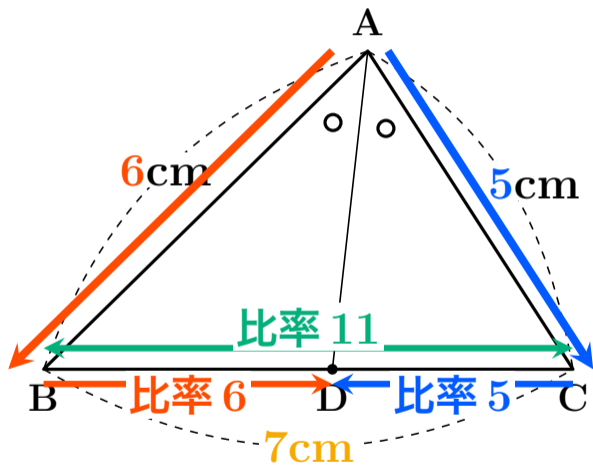
例題 BD, CD の長さを求めなさい



$$6 : 5 = BD : CD \text{ より}$$

$$\begin{aligned} BD &= \frac{6}{11} BC \\ &= \frac{6}{11} \times 7 \text{ cm} \\ &= \frac{42}{11} \text{ (cm)} \quad \boxed{\text{答}} \end{aligned}$$

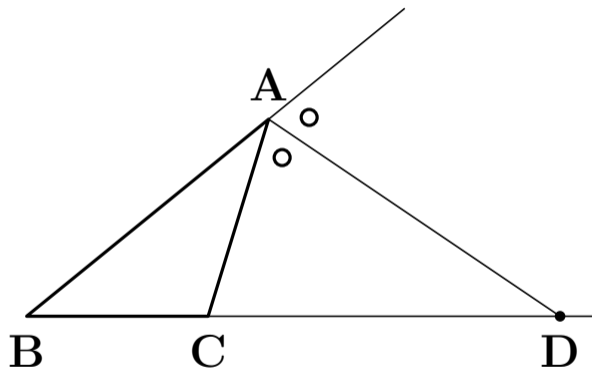
例題 BD, CD の長さを求めなさい



$6 : 5 = BD : CD$ より

$$\begin{aligned} CD &= \frac{5}{11} BC \\ &= \frac{5}{11} \times 7 \text{ cm} \\ &= \frac{35}{11} \text{ (cm)} \quad \boxed{\text{答}} \end{aligned}$$

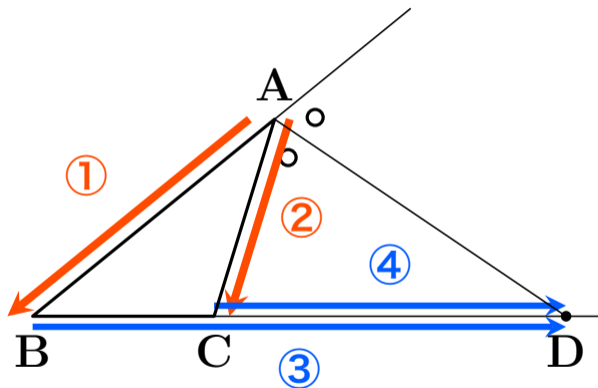
二等分線と比（公式） 外角



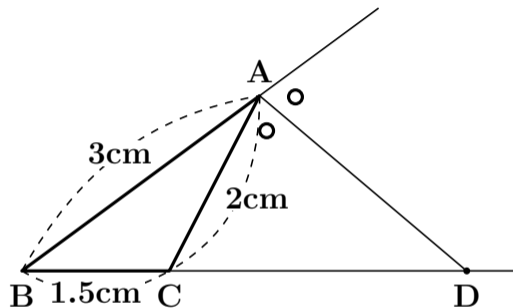
二等分線と比 (公式) 外角

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

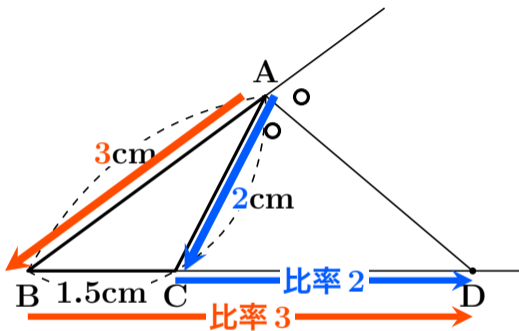
($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)



例題 CDの長さを求めなさい



例題 CD の長さを求めなさい



$$3 : 2 = (1.5 + CD) : CD \text{ より}$$

$$3CD = 2(1.5 + CD)$$

$$3CD = 3 + 2CD$$

$$3CD - 2CD = 3$$

$$CD = 3 \text{ (cm)} \quad \boxed{\text{答}}$$