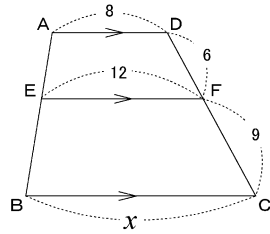


台形

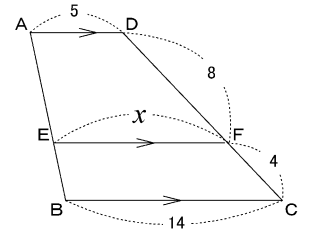
例題 $AD \parallel EF \parallel BC$ のとき、 x の値を求めよ。

(1)



答 $x = 18$

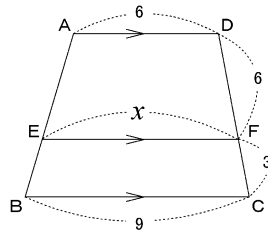
(2)



答 $x = 11$

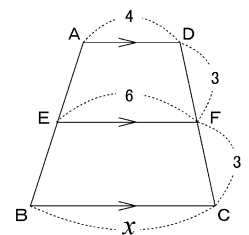
練習 $AD \parallel EF \parallel BC$ のとき、 x の値を求めよ。

(1)



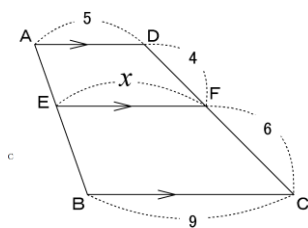
答

(3)



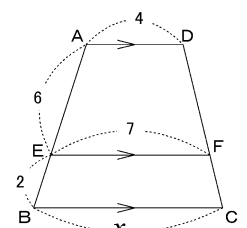
答

(2)



答

(4)



答

台形

例題 $AD \parallel EF \parallel BC$ のとき、 x の値を求めよ。

(1)

★
DCと平行な直線をAを通るように引いて平行四辺形と三角形に分ける。

$x = 8 + y$ とする。

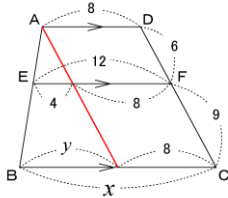
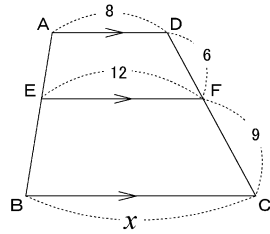
$$6:15 = 4:y$$

$$2:5 = 4:y$$

$$2y = 20$$

$$y = 10$$

$$x = 8 + 10 = 18$$



答 $x = 18$

(2)

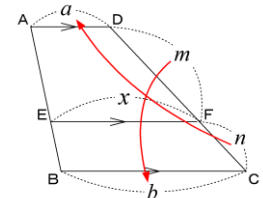
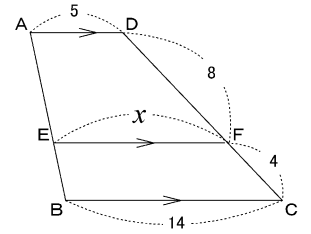
★
 $x = \frac{an+bm}{m+n}$ を利用する。

$$x = \frac{5 \times 4 + 14 \times 8}{8 + 4}$$

$$= \frac{20 + 112}{12}$$

$$= \frac{132}{12}$$

$$= 11$$



答 $x = 11$

練習 $AD \parallel EF \parallel BC$ のとき、 x の値を求めよ。

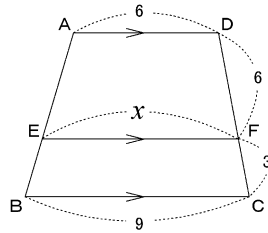
(1)

★
$$x = \frac{6 \times 3 + 9 \times 6}{6 + 3}$$

$$= \frac{18 + 54}{9}$$

$$= \frac{72}{9}$$

$$= 8$$



答 $x = 8$

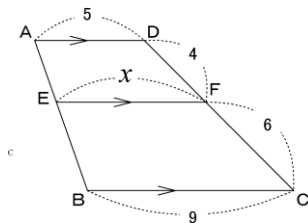
(2)

★
$$x = \frac{5 \times 6 + 9 \times 4}{4 + 6}$$

$$= \frac{30 + 36}{10}$$

$$= \frac{66}{10}$$

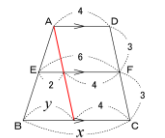
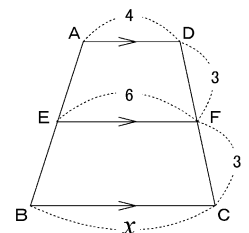
$$= \frac{33}{5}$$



答 $x = \frac{33}{5}$

(3)

★
 $x = 4 + y$ とする。
 $3:6 = 2:y$
 $1:2 = 2:y$
 $y = 4$
 $x = 4 + 4 = 8$



答 $x = 8$

(4)

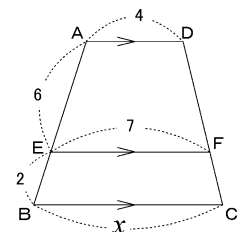
★
$$7 = \frac{4 \times 2 + x \times 6}{6 + 2}$$

$$7 = \frac{8 + 6x}{8}$$

$$56 = 8 + 6x$$

$$6x = 48$$

$$x = 8$$



答 $x = 8$