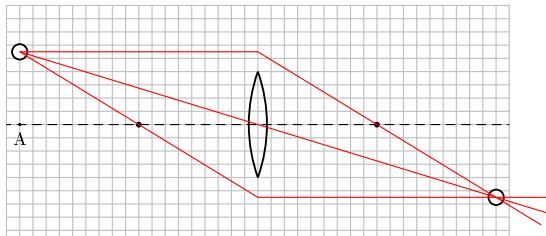


## 解答

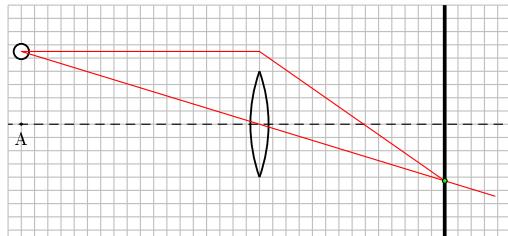
凸レンズ I (1)

- (1) 18cm (2) 1 倍 (3)  $\frac{7}{9}$  倍 (4)  $7\frac{7}{8}$  cm  
 (1)(2) 参考

(3)(4) 参考



$$(18 - 9) : 9 \text{ から、} 18 \times \frac{9}{18 - 9}_{(2)} = \underline{18}_{(1)}$$



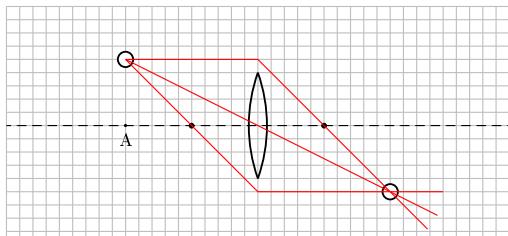
$$18 : 14 \text{ から、} \frac{7}{9} \text{ 倍 と、} 14 \times \frac{18}{18 + 14} = 7\frac{7}{8}_{(4)}$$

ついたて

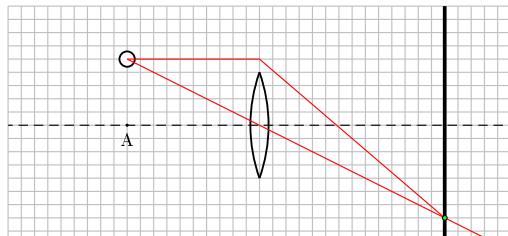
凸レンズ I (2)

- (1) 10cm (2) 1 倍 (3)  $\frac{7}{5}$  倍 (4)  $5\frac{5}{6}$  cm  
 (1)(2) 参考

(3)(4) 参考



$$(10 - 5) : 5 \text{ から、} 10 \times \frac{5}{10 - 5}_{(2)} = \underline{10}_{(1)}$$



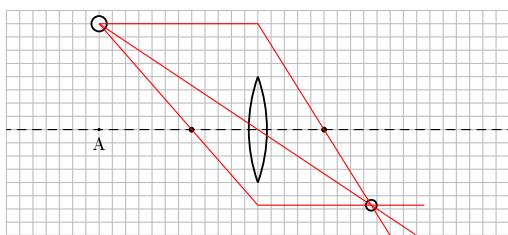
$$10 : 14 \text{ から、} \frac{7}{5} \text{ 倍 と、} 14 \times \frac{10}{10 + 14} = 5\frac{5}{6}_{(4)}$$

ついたて

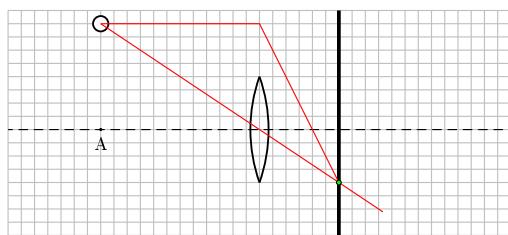
凸レンズ I (3)

- (1)  $8\frac{4}{7}$  cm (2)  $\frac{5}{7}$  倍 (3)  $\frac{1}{2}$  倍 (4) 4cm  
 (1)(2) 参考

(3)(4) 参考



$$(12 - 5) : 5 \text{ から、} 12 \times \frac{5}{12 - 5}_{(2)} = 8\frac{4}{7}_{(1)}$$



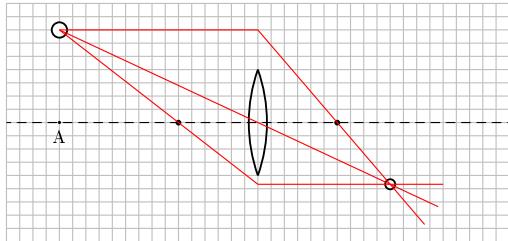
$$12 : 6 \text{ から、} \frac{1}{2} \text{ 倍 と、} 6 \times \frac{12}{12 + 6} = \underline{4}_{(4)}$$

ついたて

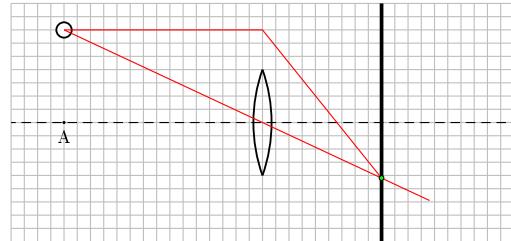
凸レンズ I (4)

(1) 10cm (2)  $\frac{2}{3}$  倍 (3)  $\frac{3}{5}$  倍 (4)  $5\frac{5}{8}$  cm  
 (1)(2) 参考

(3)(4) 参考



$$(15 - 6) : 6 \text{ から、} 15 \times \frac{6}{15 - 6}_{(2)} = \underline{10}_{(1)}$$



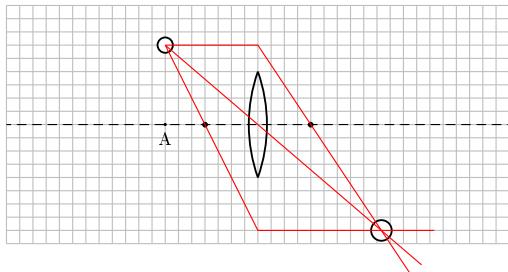
$$15 : 9 \text{ から、} \frac{3}{5} \text{ 倍 と、} 9 \times \frac{15}{15 + 9} = \underline{5\frac{5}{8}}_{(4)}$$

ついたて

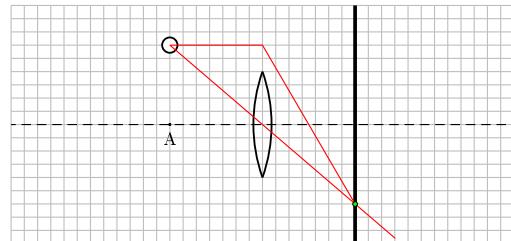
凸レンズ I (5)

(1)  $9\frac{1}{3}$  cm (2)  $\frac{4}{3}$  倍 (3) 1 倍 (4)  $3\frac{1}{2}$  cm  
 (1)(2) 参考

(3)(4) 参考



$$(7 - 4) : 4 \text{ から、} 7 \times \frac{4}{7 - 4}_{(2)} = \underline{9\frac{1}{3}}_{(1)}$$



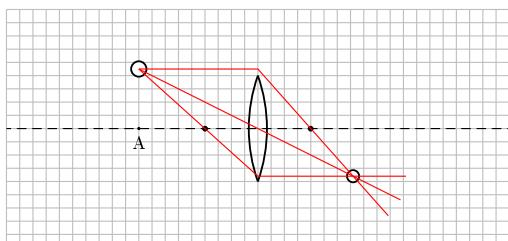
$$7 : 7 \text{ から、} \underline{1} \text{ 倍}_{(3)} \text{ と、} 7 \times \frac{7}{7 + 7} = \underline{3\frac{1}{2}}_{(4)}$$

ついたて

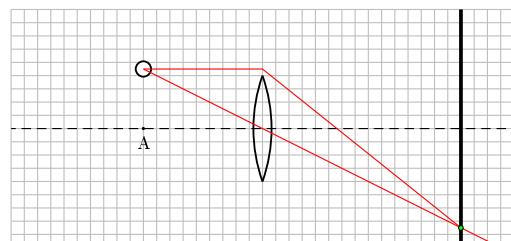
凸レンズ I (6)

(1)  $7\frac{1}{5}$  cm (2)  $\frac{4}{5}$  倍 (3)  $\frac{5}{3}$  倍 (4)  $5\frac{5}{8}$  cm  
 (1)(2) 参考

(3)(4) 参考



$$(9 - 4) : 4 \text{ から、} 9 \times \frac{4}{9 - 4}_{(2)} = \underline{7\frac{1}{5}}_{(1)}$$



$$9 : 15 \text{ から、} \frac{5}{3} \text{ 倍 と、} 15 \times \frac{9}{9 + 15} = \underline{5\frac{5}{8}}_{(4)}$$

ついたて