

【63】 慶応義塾普通部

$$\left(4\frac{2}{3} - \square \times 0.4\right) \times 0.375 - \frac{11}{14} = \frac{31}{35}$$

$$\left(\frac{14}{3} - \square \times \frac{2}{5}\right) \times \frac{3}{8} - \frac{11}{14} = \frac{31}{35}$$

(A) (B) (C)

小数を分数になおすと、  
計算が楽になる  
帯分数は、仮分数に書きなおす

$$\textcircled{C} - \frac{11}{14} = \frac{31}{35}$$

$$\textcircled{C} = \frac{31}{35} + \frac{11}{14} = \frac{31 \times 2 + 11 \times 5}{70} = \frac{117}{70}$$

$$\frac{117}{70} = \textcircled{B} \times \frac{3}{8}$$

$$\frac{117}{70} \div \frac{3}{8} = \textcircled{B}$$

$$\textcircled{B} = \frac{117}{70} \times \frac{8}{3} = \frac{\cancel{117} \times \cancel{8}}{\cancel{70} \times \cancel{3}} = \frac{156}{35}$$

$$\begin{array}{r} 39 \\ \times 4 \\ \hline 156 \end{array}$$

「分数のわり算」は、分母と分子を入れ替えて、かけ算に書きなおす

$$\frac{156}{35} = \frac{14}{3} - \textcircled{A}$$

$$\textcircled{A} = \frac{14}{3} - \frac{156}{35} = \frac{14 \times 35 - 156 \times 3}{105} = \frac{490 - 468}{105} = \frac{22}{105}$$

$$\begin{array}{r} 14 \\ \times 35 \\ \hline 70 \\ 420 \\ \hline 490 \end{array}$$

$$\frac{22}{105} = \square \times \frac{2}{5}$$

$$\frac{22}{105} \div \frac{2}{5} = \square$$

$$\square = \frac{22}{105} \div \frac{2}{5} = \frac{\cancel{22} \times \cancel{5}}{\cancel{105} \times \cancel{2}} = \frac{11}{21}$$

答  $\frac{11}{21}$

$$\begin{array}{r} 156 \\ \times 3 \\ \hline 468 \end{array}$$