

問題

$$1 \frac{1}{9} + \frac{4}{3} + \left( \frac{5}{3} - 0.75 \right) \times \frac{3}{2} - \frac{13}{6} = \frac{1}{\square}$$

解説

The diagram shows the original equation with brackets and circled numbers 1 through 5 indicating the order of operations:

- ①:  $\frac{1}{9} + \frac{4}{3}$
- ②:  $\frac{5}{3} - 0.75$
- ③:  $\left( \frac{5}{3} - 0.75 \right) \times \frac{3}{2}$
- ④:  $\frac{1}{9} + \frac{4}{3} + \left( \frac{5}{3} - 0.75 \right) \times \frac{3}{2}$
- ⑤:  $\frac{1}{9} + \frac{4}{3} + \left( \frac{5}{3} - 0.75 \right) \times \frac{3}{2} - \frac{13}{6}$

もとの式は

$$\textcircled{4} - \frac{13}{6} = \textcircled{5} = \frac{1}{\square} \text{です。}$$

注意!

$$\textcircled{1} \dots \frac{10}{9} \div \frac{4}{3} = \frac{10}{9} \times \frac{3}{4} = \frac{5}{6}$$

$$0.75 = \frac{3}{4}$$

$$\textcircled{2} \dots \frac{5}{3} - 0.75 = \frac{5}{3} - \frac{3}{4} = \frac{11}{12}$$

$$\textcircled{3} \dots \frac{11}{12} \times \frac{3}{2} = \frac{11}{8}$$

$$\textcircled{4} = \textcircled{1} + \textcircled{3} \text{ より, } \frac{5}{6} + \frac{11}{8}$$

したがって,

$$\textcircled{5} \dots \frac{5}{6} + \frac{11}{8} - \frac{13}{6} = \frac{1}{24}$$

$$\textcircled{5} = \frac{1}{\square} \text{ より, } \frac{1}{24} = \frac{1}{\square} \rightarrow \square = 24$$

注意!

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