

四谷大塚場合不合テストの $\boxed{\quad}$ (3) の難易度です。

(問題) 9_3_5

$$\frac{25}{68} \div \left\{ \left(9\frac{1}{3} - \frac{7}{2} \right) \div \square \div 2.55 \right\} = 0.125$$

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① ② ③

元の式を整理すると、

$$\frac{25}{68} \div \left\{ \frac{35}{6} \div \square \div \frac{51}{20} \right\} = \frac{1}{8}$$

$$\left(\quad \right) = \frac{25}{68} \div \frac{1}{8}$$

$$\frac{25}{68} \div \frac{1}{8} = \frac{25}{68} \times \frac{8}{1} = \frac{50}{17}$$

$$\frac{35}{6} \div \square \div \frac{51}{20} = \frac{50}{17}$$

$$\blacktriangle \div \frac{51}{20} = \frac{50}{17}$$

$$\blacktriangle = \frac{50}{17} \times \frac{51}{20}$$

$$\frac{50}{17} \times \frac{51}{20} = \frac{15}{2}$$

$$\frac{35}{6} \div \square = \frac{15}{2}$$

$$\square = \frac{35}{6} \div \frac{15}{2}$$

$$= \frac{35}{6} \times \frac{2}{15}$$

$$= \frac{7}{9}$$

$$\boxed{\frac{7}{9}}$$

$$\textcircled{1} \dots 9\frac{1}{3} - \frac{7}{2} = \frac{35}{6}$$

$$\textcircled{2} \dots 2.55 = \frac{255}{100} = \frac{51}{20}$$

$$\textcircled{3} \dots 0.125 = \frac{1}{8}$$