

$$\{ 2\frac{7}{12} - (\frac{1}{6} + \square) \times \cancel{\frac{4}{13}} \} \div \cancel{\frac{1}{4}} = \cancel{\frac{1}{2}}$$

↓

$$\square \div \frac{5}{4} = \frac{3}{2}$$

$$\square = \frac{3}{2} \times \frac{5}{4} = \frac{15}{8} = \cancel{\frac{7}{8}}$$

$$2\frac{7}{12} - (\frac{1}{6} + \square) \times \cancel{\frac{4}{13}} = \cancel{\frac{7}{8}}$$

△

$$\triangle = 2\frac{7}{12} - \cancel{\frac{7}{8}} \longrightarrow 2\frac{14}{24} - \cancel{\frac{21}{24}} = \cancel{\frac{38}{24}} - \cancel{\frac{21}{24}}$$

$$= \frac{17}{24}$$

$$(\frac{1}{6} + \square) \times \cancel{\frac{4}{13}} = \frac{17}{24}$$

$$\frac{1}{6} + \square = \frac{17}{24} \div \cancel{\frac{4}{13}}$$

$$\frac{17}{24} \times \frac{13}{4} = \frac{13}{24}$$

$$\frac{1}{6} + \square = \frac{13}{24}$$

$$\square = \frac{13}{24} - \frac{1}{6}$$

$$\frac{13}{24} - \frac{4}{24} = \frac{9}{24} = \frac{3}{8}$$

$$= \frac{3}{8}$$

$$\frac{3}{8}$$