

計算  
エース

グレード 6 - 12

		年	月	日	名前		点
--	--	---	---	---	----	--	---

分数×分数 計算のきまり

1問20点

①

$$\begin{aligned}
 \frac{1}{6} \times \frac{1}{4} + \frac{1}{2} \times \frac{1}{4} &= \left( \frac{1}{6} + \frac{1}{2} \right) \times \frac{1}{4} \\
 &= \left( \frac{1}{6} + \frac{3}{6} \right) \times \frac{1}{4} \\
 &= \frac{\cancel{1} \times 1}{6 \times \cancel{4}_1} \\
 &= \frac{1}{6}
 \end{aligned}$$

②

$$\begin{aligned}
 \frac{1}{3} \times \frac{2}{7} + \frac{3}{5} \times \frac{2}{7} &= \left( \frac{1}{3} + \frac{3}{5} \right) \times \frac{2}{7} \\
 &= \left( \frac{5}{15} + \frac{9}{15} \right) \times \frac{2}{7} \\
 &= \frac{2 \cancel{14} \times 2}{15 \times \cancel{7}_1} \\
 &= \frac{4}{15}
 \end{aligned}$$

③

$$\begin{aligned}
 \frac{1}{2} \times \frac{2}{5} - \frac{3}{8} \times \frac{2}{5} &= \left( \frac{1}{2} - \frac{3}{8} \right) \times \frac{2}{5} \\
 &= \left( \frac{4}{8} - \frac{3}{8} \right) \times \frac{2}{5} \\
 &= \frac{1 \times \cancel{2}^1}{\cancel{4}_4 \times 8 \times 5} \\
 &= \frac{1}{20}
 \end{aligned}$$

④

$$\begin{aligned}
 \frac{3}{4} \times \frac{3}{8} - \frac{1}{6} \times \frac{3}{8} &= \left( \frac{3}{4} - \frac{1}{6} \right) \times \frac{3}{8} \\
 &= \left( \frac{9}{12} - \frac{2}{12} \right) \times \frac{3}{8} \\
 &= \frac{7 \times \cancel{3}^1}{\cancel{4}_4 \times 12 \times 8} \\
 &= \frac{7}{32}
 \end{aligned}$$

⑤

$$\begin{aligned}
 \frac{1}{8} \times \frac{3}{5} - \frac{2}{3} \times \frac{3}{5} &= \left( \frac{3}{24} - \frac{16}{24} \right) \times \frac{3}{5} \\
 &= \left( \frac{27}{24} - \frac{16}{24} \right) \times \frac{3}{5} \\
 &= \frac{11 \times \cancel{3}^1}{\cancel{8}_8 \times 24 \times 5} \\
 &= \frac{11}{40}
 \end{aligned}$$