

1 次の計算を分配法則を利用して下さい。途中計算も書いておくこと。

$$\begin{aligned}(1) \quad & 12 \times \left(\frac{1}{3} - \frac{3}{4} \right) \\ & = 12 \times \frac{1}{3} + 12 \times \left(-\frac{3}{4} \right) \\ & = 4 - 9 \\ & = -5\end{aligned}$$

$$\begin{aligned}(2) \quad & 63 \times \left(\frac{2}{9} - \frac{3}{7} \right) \\ & = 63 \times \frac{2}{9} + 63 \times \left(-\frac{3}{7} \right) \\ & = 14 - 27 \\ & = -13\end{aligned}$$

$$\begin{aligned}(3) \quad & \left(\frac{4}{5} - \frac{3}{7} \right) \times (-35) \\ & = \frac{4}{5} \times (-35) - \frac{3}{7} \times (-35) \\ & = -28 + 15 \\ & = -13\end{aligned}$$

$$\begin{aligned}(4) \quad & \left(\frac{2}{3} - \frac{4}{5} \right) \times (-15) \\ & = \frac{2}{3} \times (-15) - \frac{4}{5} \times (-15) \\ & = -10 + 12 \\ & = +2\end{aligned}$$

$$\begin{aligned}(5) \quad & \left(\frac{5}{6} - \frac{4}{7} \right) \times (+42) \\ & = \frac{5}{6} \times (+42) - \frac{4}{7} \times (+42) \\ & = +35 - 24 \\ & = +11\end{aligned}$$

$$\begin{aligned}(6) \quad & -8 \times 17 + 9 \times 17 \\ & = (-8 + 9) \times 17 \\ & = (+1) \times 17 \\ & = +17\end{aligned}$$

$$\begin{aligned}(7) \quad & 5.3 \times (-3.5) + 4.7 \times (-3.5) \\ & = (5.3 + 4.7) \times (-3.5) \\ & = (+10) \times (-3.5) \\ & = -35\end{aligned}$$

$$\begin{aligned}(8) \quad & 5.2 \times \frac{4}{13} + 5.2 \times \frac{9}{13} \\ & = 5.2 \times \left(\frac{4}{13} + \frac{9}{13} \right) \\ & = 5.2 \times \frac{13}{13} \\ & = 5.2 \times 1 \\ & = 5.2\end{aligned}$$

$$\begin{aligned}(9) \quad & (-9.9) \times \frac{5}{11} + (-9.9) \times \frac{6}{11} \\ & = (-9.9) \times \left(\frac{5}{11} + \frac{6}{11} \right) \\ & = (-9.9) \times \frac{11}{11} \\ & = (-9.9) \times 1 \\ & = -9.9\end{aligned}$$

$$\begin{aligned}(10) \quad & 3.14 \times 8^2 + 3.14 \times 6^2 \\ & = 3.14 \times (8^2 + 6^2) \\ & = 3.14 \times (64 + 36) \\ & = 3.14 \times (+100) \\ & = +314\end{aligned}$$