

1. 안에 알맞은 수를 써넣으시오.

$$\frac{3}{7} \times \left(3\frac{3}{7} \div \square \right) = 1\frac{5}{22}$$

▶ 답 :

▷ 정답 : $1\frac{29}{147}$

해설

$$\frac{3}{7} \times \left(3\frac{3}{7} \div \square \right) = 1\frac{5}{22}$$

$$3\frac{3}{7} \div \square = 1\frac{5}{22} \div \frac{3}{7} = \frac{27}{22} \times \frac{7}{3} = \frac{63}{22}$$

$$\square = 3\frac{3}{7} \div \frac{63}{22} = \frac{24}{7} \times \frac{22}{63} = 1\frac{29}{147}$$

2. 다음을 계산하시오.

$$\frac{8}{13} \div \left(3\frac{1}{9} \div 2\frac{1}{6} \times 1\frac{1}{7} \right)$$

▶ 답 :

▷ 정답 : $\frac{3}{8}$

해설

$$\begin{aligned} \frac{8}{13} \div \left(3\frac{1}{9} \div 2\frac{1}{6} \times 1\frac{1}{7} \right) &= \frac{8}{13} \div \left(\frac{28}{9} \times \frac{6}{13} \times \frac{8}{7} \right) \\ &= \frac{8}{13} \div \frac{64}{39} = \frac{8}{13} \times \frac{39}{64} \\ &= \frac{3}{8} \end{aligned}$$

3. 두 식의 계산 결과를 비교하여 ○ 안에 >, =, <를 알맞게 써넣으시오.

$$\frac{3}{4} \div \frac{1}{2} \times 2\frac{5}{6} \quad \bigcirc \quad \frac{3}{4} \times \frac{1}{2} \div 2\frac{5}{6}$$

▶ 답 :

▷ 정답 : >

해설

$$\begin{aligned} \frac{3}{4} \div \frac{1}{2} \times 2\frac{5}{6} &= \frac{3}{4} \times 2 \times \frac{17}{6} = \frac{17}{4} = 4\frac{1}{4} \\ \frac{3}{4} \times \frac{1}{2} \div 2\frac{5}{6} &= \frac{3}{4} \times \frac{1}{2} \div \frac{17}{6} = \frac{3}{4} \times \frac{1}{2} \times \frac{6}{17} = \frac{9}{68} \end{aligned}$$

따라서 $4\frac{1}{4} > \frac{9}{68}$