

1. 다음 분수의 나눗셈을 하시오.

$$15 \div \frac{5}{9}$$

▶ 답 :

▷ 정답 : 27

해설

$$15 \div \frac{5}{9} = \cancel{15}^3 \times \frac{9}{\cancel{5}_1} = 27$$

2. 다음은 나눗셈을 곱셈식으로 고친 것입니다. 바르게 나타낸 것은 어느 것입니까?

$$\textcircled{1} \quad \frac{5}{7} \div \frac{2}{3} = \frac{5}{7} \times \frac{2}{3}$$

$$\textcircled{3} \quad \frac{4}{5} \div \frac{1}{4} = \frac{4}{5} \times \frac{1}{4}$$

$$\textcircled{5} \quad \frac{7}{10} \div \frac{14}{15} = \frac{7}{14} \times \frac{10}{15}$$

$$\textcircled{2} \quad \frac{7}{10} \div \frac{3}{4} = \frac{7}{10} \times \frac{4}{3}$$

$$\textcircled{4} \quad \frac{6}{7} \div \frac{2}{9} = \frac{7}{6} \times \frac{9}{2}$$

해설

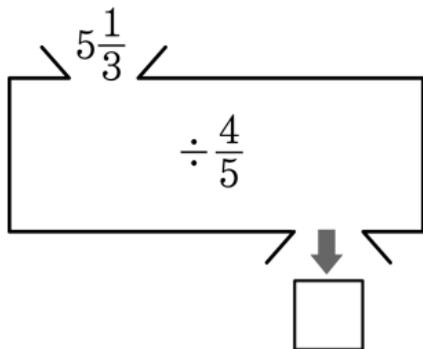
$$\textcircled{1} \quad \frac{5}{7} \div \frac{2}{3} = \frac{5}{7} \times \frac{3}{2}$$

$$\textcircled{3} \quad \frac{4}{5} \div \frac{1}{4} = \frac{4}{5} \times 4$$

$$\textcircled{4} \quad \frac{6}{7} \div \frac{2}{9} = \frac{6}{7} \times \frac{9}{2}$$

$$\textcircled{5} \quad \frac{7}{10} \div \frac{14}{15} = \frac{7}{10} \times \frac{15}{14}$$

3. 안에 알맞은 수를 구하시오.



① $6\frac{1}{3}$

② $6\frac{2}{3}$

③ $5\frac{2}{3}$

④ $\frac{2}{3}$

⑤ $1\frac{2}{3}$

해설

$$5\frac{1}{3} \div \frac{4}{5} = \frac{\cancel{16}^4}{3} \times \frac{5}{\cancel{4}_1} = \frac{20}{3} = 6\frac{2}{3}$$

4. 분수의 나눗셈에서 몫이 자연수인 것을 모두 고르시오.

① $\frac{4}{7} \div \frac{2}{7}$

② $\frac{1}{2} \div \frac{3}{2}$

③ $\frac{11}{12} \div \frac{7}{12}$

④ $\frac{10}{19} \div \frac{8}{19}$

⑤ $\frac{10}{11} \div \frac{2}{11}$

해설

① $\frac{4}{7} \div \frac{2}{7} = 4 \div 2 = 2$

② $\frac{1}{2} \div \frac{3}{2} = 1 \div 3 = \frac{1}{3}$

③ $\frac{11}{12} \div \frac{7}{12} = 11 \div 7 = \frac{11}{7} = 1\frac{4}{7}$

④ $\frac{10}{19} \div \frac{8}{19} = 10 \div 8 = \frac{5}{4} = 1\frac{1}{4}$

⑤ $\frac{10}{11} \div \frac{2}{11} = 10 \div 2 = 5$

5. 넓이가 $9\frac{3}{5}\text{cm}^2$ 인 평행사변형의 밑변의 길이를 구하시오.



▶ 답: cm

▷ 정답: $4\frac{1}{5}$ cm

해설

밑변의 길이를 \square cm 라 하면

$$\square \times 2\frac{2}{7} = 9\frac{3}{5}$$

$$\square = 9\frac{3}{5} \div 2\frac{2}{7} = \frac{48}{5} \div \frac{16}{7}$$

$$= \frac{\cancel{48}^3}{5} \times \frac{7}{\cancel{16}_1} = \frac{21}{5} = 4\frac{1}{5} (\text{cm})$$