

分数と整数のわり算 (9)

名前 _____

【1】 次の計算をしなさい。

$$(1) \frac{30}{7} \div 5 = \frac{\overset{6}{\cancel{30}}}{7 \times \underset{1}{\cancel{5}}} = \frac{6}{7}$$

$$(2) \frac{5}{3} \div 4 = \frac{5}{3 \times 4} = \frac{5}{12}$$

$$(3) \frac{6}{5} \div 16 = \frac{\overset{3}{\cancel{6}}}{5 \times \underset{8}{\cancel{16}}} = \frac{3}{40}$$

$$(4) \frac{28}{3} \div 9 = \frac{28}{3 \times 9} = \frac{28}{27} \left(1\frac{1}{27}\right)$$

$$(5) \frac{42}{5} \div 6 = \frac{\overset{7}{\cancel{42}}}{5 \times \underset{1}{\cancel{6}}} = \frac{7}{5} \left(1\frac{2}{5}\right)$$

$$(6) \frac{15}{4} \div 10 = \frac{\overset{3}{\cancel{15}}}{4 \times \underset{2}{\cancel{10}}} = \frac{3}{8}$$

$$(7) \frac{1}{6} \div 9 = \frac{1}{6 \times 9} = \frac{1}{54}$$

$$(8) \frac{7}{10} \div 2 = \frac{7}{10 \times 2} = \frac{7}{20}$$

$$(9) \frac{56}{15} \div 8 = \frac{\overset{7}{\cancel{56}}}{15 \times \underset{1}{\cancel{8}}} = \frac{7}{15}$$

$$(10) \frac{18}{11} \div 12 = \frac{\overset{3}{\cancel{18}}}{11 \times \underset{2}{\cancel{12}}} = \frac{3}{22}$$

$$(11) \frac{49}{8} \div 7 = \frac{\overset{7}{\cancel{49}}}{8 \times \underset{1}{\cancel{7}}} = \frac{7}{8}$$

$$(12) \frac{24}{7} \div 18 = \frac{\overset{4}{\cancel{24}}}{7 \times \underset{3}{\cancel{18}}} = \frac{4}{21}$$

$$(13) \frac{35}{2} \div 15 = \frac{\overset{7}{\cancel{35}}}{2 \times \underset{3}{\cancel{15}}} = \frac{7}{6} \left(1\frac{1}{6}\right)$$

$$(14) \frac{36}{5} \div 20 = \frac{\overset{9}{\cancel{36}}}{5 \times \underset{5}{\cancel{20}}} = \frac{9}{25}$$

【2】 次の問題に答えなさい。

(1) $\frac{16}{5}$ m のひもを等しく 4 本に分けると、一本の長さは何 m になりますか。

$$\text{式} \quad \frac{16}{5} \div 4 = \frac{\overset{4}{\cancel{16}}}{5 \times \underset{1}{\cancel{4}}} = \frac{4}{5}$$

答え
 $\frac{4}{5}$ m

(2) 7m で $\frac{49}{4}$ kg の棒があります。この棒 1m あたりの重さは何 kg ですか。

$$\text{式} \quad \frac{49}{4} \div 7 = \frac{\overset{7}{\cancel{49}}}{4 \times \underset{1}{\cancel{7}}} = \frac{7}{4}$$

答え
 $\frac{7}{4}$ kg $\left(1\frac{3}{4}\text{kg}\right)$