

春休み版②

児童用解答

計算の途中で約分できるときは約分します。

1 次の計算をしましょう。

$$(1) \frac{5}{7} \times \frac{3}{4} = \frac{5 \times 3}{7 \times 4} = \frac{15}{28}$$

$$\frac{15}{28}$$

$$(2) 1\frac{7}{8} \times \frac{2}{5} = \frac{\overset{3}{\cancel{15}} \times \overset{1}{\cancel{2}}}{\underset{4}{\cancel{8}} \times \underset{5}{\cancel{5}}_1} = \frac{3}{4}$$

$$\frac{3}{4}$$

$$(3) \frac{2}{3} \div \frac{5}{7} = \frac{2 \times 7}{3 \times 5} = \frac{14}{15}$$

$$\frac{14}{15}$$

$$(4) 1\frac{3}{4} \div \frac{7}{8} = \frac{\overset{1}{\cancel{7}} \times \overset{2}{\cancel{8}}}{\underset{1}{\cancel{4}} \times \underset{7}{\cancel{7}}_1} = 2$$

$$2$$

分数でわる計算は、わる数を逆数にしてかけます。

$$(5) \frac{1}{2} \times 0.6 = \frac{1 \times \overset{3}{\cancel{6}}}{\underset{2}{\cancel{2}} \times \underset{10}{\cancel{10}}_1} = \frac{3}{10}$$

$$\frac{3}{10} \left[0.3 \right]$$

$$(6) 4\frac{2}{5} \div 1.1 = \frac{\overset{2}{\cancel{2}} \times \overset{2}{\cancel{10}}}{\underset{1}{\cancel{5}} \times \underset{11}{\cancel{11}}_1} = 4$$

$$4$$

分数、小数、整数の混じったかけ算やわり算では、小数や整数を分数に直すと計算できます。

【別の解き方】
 $0.5 \times 0.6 = 0.3$

$$(7) \frac{1}{2} \div 0.3 \times \frac{5}{6} = \frac{1 \times \overset{5}{\cancel{10}} \times 5}{\underset{2}{\cancel{2}} \times \underset{3}{\cancel{3}} \times 6} = \frac{25}{18} \left[1\frac{7}{18} \right]$$

$$\frac{25}{18} \left[1\frac{7}{18} \right]$$

$$(8) 21.6 + 10.8 \div 1.8 = 21.6 + 6 = 27.6$$

わり算から先に計算します。

$$27.6$$

$$(9) \frac{5}{6} - \frac{3}{4} \times \frac{4}{9} = \frac{5}{6} - \frac{\overset{1}{\cancel{3}} \times \overset{1}{\cancel{4}}}{\underset{1}{\cancel{4}} \times \underset{9}{\cancel{9}}_3} = \frac{5}{6} - \frac{1}{3} = \frac{5}{6} - \frac{2}{6} = \frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{6}}} = \frac{1}{2}$$

$$\frac{1}{2}$$

$$(10) 6.4 - \frac{4}{5} \div 0.2 = 6.4 - \frac{\overset{2}{\cancel{4}} \times \overset{2}{\cancel{10}}}{\underset{1}{\cancel{5}} \times \underset{2}{\cancel{2}}_1} = 6.4 - 4 = 2.4$$

$$2.4$$

2

次の を参考に、くふうして計算しましょう。

$$\begin{aligned} (a+b) \times c &= a \times c + b \times c \\ (a-b) \times c &= a \times c - b \times c \end{aligned}$$

(1) $\left(\frac{5}{8} + \frac{5}{6}\right) \times \frac{6}{5}$

$$= \frac{\overset{1}{\cancel{5}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{3}{\cancel{5}}}{\underset{1}{\cancel{6}}} + \frac{\overset{1}{\cancel{5}}}{\underset{1}{\cancel{6}}} \times \frac{\underset{1}{\cancel{6}}}{\underset{1}{\cancel{5}}}$$

$$= \frac{3}{4} + 1$$

$$= 1 \frac{3}{4}$$

(2) $\left(\frac{2}{3} + \frac{1}{4}\right) \times 12$

$$= \frac{2}{\underset{1}{\cancel{3}}} \times \overset{4}{\cancel{12}} + \frac{1}{\underset{1}{\cancel{4}}} \times \overset{3}{\cancel{12}}$$

$$= 8 + 3$$

$$= 11$$

(3) $\frac{3}{4} \times 5 + \frac{3}{4} \times 7$

$$= \frac{3}{4} \times (5 + 7)$$

$$= \frac{3}{\underset{1}{\cancel{4}}} \times \overset{3}{\cancel{12}}$$

$$= 9$$

(4) $\frac{1}{6} \times \frac{2}{5} + \frac{4}{3} \times \frac{2}{5}$

$$= \left(\frac{1}{6} + \frac{4}{3}\right) \times \frac{2}{5}$$

$$= \left(\frac{1}{6} + \frac{8}{6}\right) \times \frac{2}{5}$$

$$= \frac{\overset{3}{\cancel{9}}}{\underset{1}{\cancel{6}}} \times \frac{\underset{1}{\cancel{2}}}{5} = \frac{3}{5}$$