

6年生の計算 復習③

月	日	名前	点
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1 計算のきまりを使って、くふうして計算しましょう。

$$\begin{aligned} \textcircled{1} 3.6 \times 5 + 0.4 \times 5 &= (\boxed{3.6} + \boxed{0.4}) \times 5 \\ &= \boxed{4} \times 5 \\ &= \boxed{20} \end{aligned}$$

$$\begin{aligned} \textcircled{2} 2.2 \times 3 + 1.8 \times 3 &= (2.2 + 1.8) \times 3 \\ &= 4 \times 3 \\ &= 12 \end{aligned}$$

$$\begin{aligned} \textcircled{3} 3.5 \times 6 - 1.5 \times 6 &= (3.5 - 1.5) \times 6 \\ &= 2 \times 6 \\ &= 12 \end{aligned}$$

$$\begin{aligned} \textcircled{4} 98 \times 4 &= (\boxed{100} - 2) \times 4 \\ &= \boxed{400} - 8 \\ &= \boxed{392} \end{aligned}$$

$$\begin{aligned} \textcircled{5} 102 \times 6 &= (100 + 2) \times 6 \\ &= 600 + 12 \\ &= 612 \end{aligned}$$

2 □にあてはまる数を求めましょう。

$$\textcircled{1} \square + 15 = 50$$

$$\begin{aligned} \square &= \boxed{50} - \boxed{15} \\ \square &= \boxed{35} \end{aligned}$$

$$\textcircled{2} \square - 53 = 48$$

$$\begin{aligned} \square &= 48 + 53 \\ \square &= 101 \end{aligned}$$

$$\textcircled{3} \square \times 8 = 72$$

$$\begin{aligned} \square &= 72 \div 8 \\ \square &= 9 \end{aligned}$$

$$\textcircled{4} \square \div 5 = 60$$

$$\begin{aligned} \square &= 60 \times 5 \\ \square &= 300 \end{aligned}$$

3

① $(\frac{2}{9} + \frac{1}{6}) \div \frac{7}{9} = (\frac{4}{18} + \frac{3}{18}) \times \frac{9}{7}$

$$= \frac{\overset{1}{\cancel{7}} \times \overset{1}{\cancel{9}}}{2 \times \overset{1}{\cancel{18}} \times \overset{1}{\cancel{7}}}$$

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

② $\frac{11}{21} \div (\frac{3}{4} - \frac{5}{14}) = \frac{11}{21} \div (\frac{21}{28} - \frac{10}{28})$

$$= \frac{\overset{1}{\cancel{11}} \times \overset{4}{\cancel{28}}}{3 \times \overset{1}{\cancel{21}} \times \overset{1}{\cancel{11}}}$$

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

③ $(\frac{3}{7} + \frac{1}{5}) \times 5 = (\frac{15}{35} + \frac{7}{35}) \times 5$

$$= \frac{22 \times \overset{1}{\cancel{5}}}{7 \times \overset{1}{\cancel{35}} \times \overset{1}{\cancel{1}}}$$

$$= \frac{22}{7}$$

④ $\frac{5}{4} \div 0.8 \times \frac{8}{15} = \frac{5}{\underset{2}{\cancel{4}}} \times \frac{\overset{1}{\cancel{10}}}{\underset{1}{\cancel{8}}} \times \frac{\overset{1}{\cancel{8}}}{\underset{3}{\cancel{15}}}$

$$= \frac{5}{6}$$

(例)

① 8 と 8 で約分して 1 と 1

② 4 と 10 で約分して 2 と 5

③ 5 と 15 で約分して 1 と 3

⑤ $\frac{1}{4} \times \frac{10}{9} + \frac{1}{5} \times \frac{10}{9} = (\frac{1}{4} + \frac{1}{5}) \times \frac{10}{9}$

$$= (\frac{5}{20} + \frac{4}{20}) \times \frac{10}{9}$$

$$= \frac{\overset{1}{\cancel{5}} \times \overset{1}{\cancel{10}}}{2 \times \overset{1}{\cancel{20}} \times \overset{1}{\cancel{9}}}$$

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