算数　春休み課題（第7回）　　解答

$\boxed{57}$(1) $\dfrac{4}{5}-\dfrac{2}{5}=\dfrac{2}{5}$

(2) $\dfrac{5}{8}-\dfrac{4}{8}=\dfrac{1}{8}$

(3) $\dfrac{8}{9}-\dfrac{3}{9}=\dfrac{5}{9}$

(4) $\dfrac{4}{3}-\dfrac{2}{3}=\dfrac{2}{3}$

(5) $\dfrac{9}{7}-\dfrac{3}{7}=\dfrac{6}{7}$

(6) $\dfrac{5}{4}-\dfrac{2}{4}=\dfrac{3}{4}$

(7) $\dfrac{10}{6}-\dfrac{5}{6}=\dfrac{5}{6}$

(8) $\dfrac{7}{2}-\dfrac{4}{2}=\dfrac{3}{2}$

(9) $1\dfrac{5}{7}-\dfrac{6}{7}=\dfrac{12}{7}-\dfrac{6}{7}=\dfrac{6}{7}$

(10) $1-\dfrac{3}{4}=\dfrac{4}{4}-\dfrac{3}{4}=\dfrac{1}{4}$

$\boxed{58}$(1) $\dfrac{5}{3}+\dfrac{1}{6}-\dfrac{5}{9}=\dfrac{30}{18}+\dfrac{3}{18}-\dfrac{10}{18}=\dfrac{23}{18}$

(2) $\dfrac{13}{20}-\dfrac{3}{5}+\dfrac{3}{10}=\dfrac{13}{20}-\dfrac{12}{20}+\dfrac{6}{20}=\dfrac{7}{20}$

(3) $\dfrac{5}{6}-\dfrac{1}{12}+\dfrac{1}{3}=\dfrac{10}{12}-\dfrac{1}{12}+\dfrac{4}{12}=\dfrac{13}{12}$

(4) $\dfrac{5}{8}+\dfrac{3}{4}-\dfrac{9}{16}=\dfrac{10}{16}+\dfrac{12}{16}-\dfrac{9}{16}=\dfrac{13}{16}$

(5) $\dfrac{3}{4}+\dfrac{5}{6}-\dfrac{7}{8}=\dfrac{18}{24}+\dfrac{20}{24}-\dfrac{21}{24}=\dfrac{17}{24}$

(6) $\dfrac{5}{7}-\dfrac{1}{2}+\dfrac{3}{4}=\dfrac{20}{28}-\dfrac{14}{28}+\dfrac{21}{28}=\dfrac{27}{28}$

(7) $\dfrac{7}{5}-\dfrac{5}{6}+\dfrac{1}{3}=\dfrac{42}{30}-\dfrac{25}{30}+\dfrac{10}{30}=\dfrac{27}{30}=\dfrac{9}{10}$

(8) $\dfrac{1}{3}+\dfrac{3}{4}-\dfrac{3}{5}=\dfrac{20}{60}+\dfrac{45}{60}-\dfrac{36}{60}=\dfrac{29}{60}$

(9) $\dfrac{8}{15}+\dfrac{2}{3}-\dfrac{7}{10}=\dfrac{16}{30}+\dfrac{20}{30}-\dfrac{21}{30}=\dfrac{15}{30}=\dfrac{1}{2}$

(10) $\dfrac{17}{20}-\dfrac{8}{15}+\dfrac{1}{3}=\dfrac{51}{60}-\dfrac{32}{60}+\dfrac{20}{60}=\dfrac{39}{60}=\dfrac{13}{20}$

$\boxed{59}$(1) $\dfrac{3}{5}\div\dfrac{1}{2}=\dfrac{3}{5}\times 2=\dfrac{6}{5}$

(2) $\dfrac{2}{3}\div\dfrac{1}{5}=\dfrac{2}{3}\times 5=\dfrac{10}{3}$

(3) $\dfrac{5}{8}\div\dfrac{2}{3}=\dfrac{5}{8}\times\dfrac{3}{2}=\dfrac{15}{16}$

(4) $\dfrac{3}{4}\div\dfrac{2}{5}=\dfrac{3}{4}\times\dfrac{5}{2}=\dfrac{15}{8}$

(5) $\dfrac{2}{3}\div\dfrac{5}{6}=\dfrac{2}{3}\times\dfrac{6}{5}=\dfrac{4}{5}$

(6) $\dfrac{4}{9}\div\dfrac{5}{6}=\dfrac{4}{9}\times\dfrac{6}{5}=\dfrac{8}{15}$

(7) $\dfrac{4}{7}\div\dfrac{8}{7}=\dfrac{4}{7}\times\dfrac{7}{8}=\dfrac{1}{2}$

(8) $4\div\dfrac{1}{3}=4\times 3=12$

(9) $2\div\dfrac{5}{6}=2\times\dfrac{6}{5}=\dfrac{12}{5}$

(10) $9\div\dfrac{3}{2}=9\times\dfrac{2}{3}=6$

$\boxed{60}$(1) $\dfrac{1}{2}\times\dfrac{1}{4}\div\dfrac{3}{8}=\dfrac{1}{2}\times\dfrac{1}{4}\times\dfrac{8}{3}=\dfrac{1}{3}$

(2) $\dfrac{4}{5}\div\dfrac{3}{5}\times\dfrac{1}{4}=\dfrac{4}{5}\times\dfrac{5}{3}\times\dfrac{1}{4}=\dfrac{1}{3}$

(3) $\dfrac{5}{9}\div\dfrac{5}{6}\times\dfrac{2}{3}=\dfrac{5}{9}\times\dfrac{6}{5}\times\dfrac{2}{3}=\dfrac{4}{9}$

(4) $\dfrac{4}{7}\times\dfrac{5}{8}\div\dfrac{5}{7}=\dfrac{4}{7}\times\dfrac{5}{8}\times\dfrac{7}{5}=\dfrac{1}{2}$

(5) $\dfrac{1}{4}\times\dfrac{7}{10}\div\dfrac{3}{8}=\dfrac{1}{4}\times\dfrac{7}{10}\times\dfrac{8}{3}=\dfrac{7}{15}$

(6) $\dfrac{5}{6}\div\dfrac{5}{3}\times\dfrac{5}{12}=\dfrac{5}{6}\times\dfrac{3}{5}\times\dfrac{5}{12}=\dfrac{5}{24}$

(7) $\dfrac{4}{5}\div\dfrac{7}{15}\times\dfrac{7}{2}=\dfrac{4}{5}\times\dfrac{15}{7}\times\dfrac{7}{2}=6$

(8) $\dfrac{5}{12}\times\dfrac{5}{6}\div\dfrac{7}{18}=\dfrac{5}{12}\times\dfrac{5}{6}\times\dfrac{18}{7}=\dfrac{25}{28}$

(9) $\dfrac{3}{20}\times\dfrac{5}{6}\div\dfrac{4}{9}=\dfrac{3}{20}\times\dfrac{5}{6}\times\dfrac{9}{4}=\dfrac{9}{32}$

(10) $\dfrac{3}{8}\div\dfrac{4}{15}\times\dfrac{8}{9}=\dfrac{3}{8}\times\dfrac{15}{4}\times\dfrac{8}{9}=\dfrac{5}{4}$

$\boxed{61}$(1) $\dfrac{9}{10}-\left(\dfrac{1}{5}+\dfrac{1}{2}\right)=\dfrac{9}{10}-\left(\dfrac{2}{10}+\dfrac{5}{10}\right)=\dfrac{9}{10}-\dfrac{7}{10}=\dfrac{2}{10}$
$=\dfrac{1}{5}$

(2) $\dfrac{3}{4}+\left(\dfrac{1}{2}-\dfrac{1}{4}\right)=\dfrac{3}{4}+\left(\dfrac{2}{4}-\dfrac{1}{4}\right)=\dfrac{3}{4}+\dfrac{1}{4}=1$

(3) $\left(\dfrac{5}{6}+\dfrac{2}{3}\right)-\dfrac{1}{6}=\left(\dfrac{5}{6}+\dfrac{4}{6}\right)-\dfrac{1}{6}=\dfrac{9}{6}-\dfrac{1}{6}=\dfrac{8}{6}=\dfrac{4}{3}$

(4) $\left(\dfrac{2}{3}-\dfrac{1}{2}\right)+\dfrac{1}{4}=\left(\dfrac{4}{6}-\dfrac{3}{6}\right)+\dfrac{1}{4}=\dfrac{1}{6}+\dfrac{1}{4}=\dfrac{2}{12}+\dfrac{3}{12}$
$=\dfrac{5}{12}$

(5) $\left(\dfrac{3}{5}+\dfrac{1}{10}\right)\times\dfrac{2}{7}=\left(\dfrac{6}{10}+\dfrac{1}{10}\right)\times\dfrac{2}{7}=\dfrac{7}{10}\times\dfrac{2}{7}=\dfrac{1}{5}$

(6) $\dfrac{3}{10}\times\left(\dfrac{5}{6}-\dfrac{5}{18}\right)=\dfrac{3}{10}\times\left(\dfrac{15}{18}-\dfrac{5}{18}\right)=\dfrac{3}{10}\times\dfrac{10}{18}=\dfrac{1}{6}$

(7) $\dfrac{7}{26}\times\left(\dfrac{5}{7}-\dfrac{1}{4}\right)=\dfrac{7}{26}\times\left(\dfrac{20}{28}-\dfrac{7}{28}\right)=\dfrac{7}{26}\times\dfrac{13}{28}=\dfrac{1}{8}$

(8) $\left(\dfrac{3}{8}+\dfrac{1}{4}\right)\div\dfrac{5}{8}=\left(\dfrac{3}{8}+\dfrac{2}{8}\right)\div\dfrac{5}{8}=\dfrac{5}{8}\times\dfrac{8}{5}=1$

(9) $\left(\dfrac{5}{2}-\dfrac{15}{16}\right)\div\dfrac{15}{8}=\left(\dfrac{40}{16}-\dfrac{15}{16}\right)\div\dfrac{15}{8}=\dfrac{25}{16}\times\dfrac{8}{15}=\dfrac{5}{6}$

(10) $\dfrac{13}{14}\div\left(\dfrac{7}{8}+\dfrac{2}{7}\right)=\dfrac{13}{14}\div\left(\dfrac{49}{56}+\dfrac{16}{56}\right)=\dfrac{13}{14}\div\dfrac{65}{56}=\dfrac{13}{14}$
$\times\dfrac{56}{65}=\dfrac{4}{5}$

$\boxed{62}$(1)　$\dfrac{2}{5} \times \dfrac{3}{4} - \dfrac{1}{10} = \dfrac{3}{10} - \dfrac{1}{10} = \dfrac{2}{10} = \dfrac{1}{5}$

(2)　$\dfrac{1}{6} \div \dfrac{5}{6} + \dfrac{2}{5} = \dfrac{1}{6} \times \dfrac{6}{5} + \dfrac{2}{5} = \dfrac{1}{5} + \dfrac{2}{5} = \dfrac{3}{5}$

(3)　$\dfrac{3}{4} - \dfrac{1}{8} \div \dfrac{1}{4} = \dfrac{3}{4} - \dfrac{1}{8} \times \dfrac{4}{1} = \dfrac{3}{4} - \dfrac{1}{2} = \dfrac{3}{4} - \dfrac{2}{4} = \dfrac{1}{4}$

(4)　$\dfrac{1}{2} + \dfrac{5}{12} \times \dfrac{3}{10} = \dfrac{1}{2} + \dfrac{1}{8} = \dfrac{4}{8} + \dfrac{1}{8} = \dfrac{5}{8}$

(5)　$\dfrac{5}{8} + \dfrac{7}{3} \times \dfrac{9}{14} = \dfrac{5}{8} + \dfrac{3}{2} = \dfrac{5}{8} + \dfrac{12}{8} = \dfrac{17}{8}$

(6)　$\dfrac{2}{3} - \dfrac{4}{7} \div \dfrac{3}{2} = \dfrac{2}{3} - \dfrac{4}{7} \times \dfrac{2}{3} = \dfrac{2}{3} - \dfrac{8}{21} = \dfrac{14}{21} - \dfrac{8}{21} = \dfrac{6}{21}$

$= \dfrac{2}{7}$

(7)　$\dfrac{5}{9} \times \dfrac{3}{5} \div \dfrac{1}{2} + \dfrac{5}{6} = \dfrac{5}{9} \times \dfrac{3}{5} \times \dfrac{2}{1} + \dfrac{5}{6} = \dfrac{2}{3} + \dfrac{5}{6} = \dfrac{4}{6} + \dfrac{5}{6}$

$= \dfrac{9}{6} = \dfrac{3}{2}$

(8)　$\dfrac{4}{5} - \dfrac{1}{4} \div \dfrac{3}{8} \times \dfrac{9}{10} = \dfrac{4}{5} - \dfrac{1}{4} \times \dfrac{8}{3} \times \dfrac{9}{10} = \dfrac{4}{5} - \dfrac{3}{5} = \dfrac{1}{5}$

(9)　$\dfrac{3}{8} \div \dfrac{6}{7} + \dfrac{1}{2} \times \dfrac{3}{4} = \dfrac{3}{8} \times \dfrac{7}{6} + \dfrac{1}{2} \times \dfrac{3}{4} = \dfrac{7}{16} + \dfrac{3}{8} = \dfrac{7}{16}$

$+ \dfrac{6}{16} = \dfrac{13}{16}$

(10)　$\dfrac{2}{3} \times \dfrac{5}{2} - \dfrac{4}{3} \div \dfrac{7}{8} = \dfrac{2}{3} \times \dfrac{5}{2} - \dfrac{4}{3} \times \dfrac{8}{7} = \dfrac{5}{3} - \dfrac{32}{21} = \dfrac{35}{21}$

$- \dfrac{32}{21} = \dfrac{3}{21} = \dfrac{1}{7}$

$\boxed{63}$(1)　$\dfrac{3}{10} \times \left(\dfrac{2}{3} + \dfrac{1}{6}\right) \div \dfrac{1}{2} = \dfrac{3}{10} \times \left(\dfrac{4}{6} + \dfrac{1}{6}\right) \div \dfrac{1}{2} = \dfrac{3}{10} \times \dfrac{5}{6}$

$\div \dfrac{1}{2} = \dfrac{3}{10} \times \dfrac{5}{6} \times \dfrac{2}{1} \qquad = \dfrac{1}{2}$

(2)　$\dfrac{2}{9} \times \left(\dfrac{5}{8} - \dfrac{1}{4}\right) \div \dfrac{2}{3} = \dfrac{2}{9} \times \left(\dfrac{5}{8} - \dfrac{2}{8}\right) \div \dfrac{2}{3} = \dfrac{2}{9} \times \dfrac{3}{8} \div \dfrac{2}{3}$

$= \dfrac{2}{9} \times \dfrac{3}{8} \times \dfrac{3}{2} = \dfrac{1}{8}$

(3)　$\left(\dfrac{3}{5} \div \dfrac{4}{5} + \dfrac{1}{4}\right) \times \dfrac{2}{7} = \left(\dfrac{3}{5} \times \dfrac{5}{4} + \dfrac{1}{4}\right) \times \dfrac{2}{7} = \left(\dfrac{3}{4} + \dfrac{1}{4}\right)$

$\times \dfrac{2}{7} = 1 \times \dfrac{2}{7} = \dfrac{2}{7}$

(4)　$\dfrac{5}{14} \div \left(\dfrac{2}{7} + \dfrac{2}{3}\right) \times \dfrac{2}{9} = \dfrac{5}{14} \div \left(\dfrac{6}{21} + \dfrac{14}{21}\right) \times \dfrac{2}{9} = \dfrac{5}{14}$

$\div \dfrac{20}{21} \times \dfrac{2}{9}$

$= \dfrac{5}{14} \times \dfrac{21}{20} \times \dfrac{2}{9} = \dfrac{1}{12}$

(5)　$\dfrac{5}{3} \times \left(\dfrac{1}{2} - \dfrac{2}{5}\right) \div \dfrac{1}{3} = \dfrac{5}{3} \times \left(\dfrac{5}{10} - \dfrac{4}{10}\right) \div \dfrac{1}{3} = \dfrac{5}{3} \times \dfrac{1}{10}$

$\div \dfrac{1}{3} = \dfrac{5}{3} \times \dfrac{1}{10} \times \dfrac{3}{1}$

$= \dfrac{1}{2}$

(6)　$\left(\dfrac{4}{5} - \dfrac{8}{15} \times \dfrac{3}{4}\right) \div \dfrac{3}{5} = \left(\dfrac{4}{5} - \dfrac{2}{5}\right) \div \dfrac{3}{5} = \dfrac{2}{5} \div \dfrac{3}{5} = \dfrac{2}{5} \times \dfrac{5}{3}$

$= \dfrac{2}{3}$

(7)　$\left(\dfrac{5}{12} \times \dfrac{8}{9} + \dfrac{2}{3}\right) \div \dfrac{4}{3} = \left(\dfrac{10}{27} + \dfrac{2}{3}\right) \div \dfrac{4}{3} = \left(\dfrac{10}{27} + \dfrac{18}{27}\right)$

$\div \dfrac{4}{3} = \dfrac{28}{27} \div \dfrac{4}{3}$

$= \dfrac{28}{27} \times \dfrac{3}{4} = \dfrac{7}{9}$

(8)　$\left(\dfrac{1}{6} \div \dfrac{1}{12} - \dfrac{3}{5}\right) \times \dfrac{1}{5} = \left(\dfrac{1}{6} \times \dfrac{12}{1} - \dfrac{3}{5}\right) \times \dfrac{1}{5} = \left(2 - \dfrac{3}{5}\right)$

$\times \dfrac{1}{5} = \left(\dfrac{10}{5} - \dfrac{3}{5}\right) \times \dfrac{1}{5}$

$= \dfrac{7}{5} \times \dfrac{1}{5} = \dfrac{7}{25}$

(9)　$\dfrac{17}{18} \div \left(\dfrac{3}{10} \times \dfrac{5}{6} + \dfrac{3}{5}\right) = \dfrac{17}{18} \div \left(\dfrac{1}{4} + \dfrac{3}{5}\right) = \dfrac{17}{18} \div \left(\dfrac{5}{20}\right.$

$\left. + \dfrac{12}{20}\right) = \dfrac{17}{18} \div \dfrac{17}{20}$

$= \dfrac{17}{18} \times \dfrac{20}{17} = \dfrac{10}{9}$

(10)　$\dfrac{7}{10} \times \left(\dfrac{4}{7} - \dfrac{1}{8}\right) \div \dfrac{1}{4} = \dfrac{7}{10} \times \left(\dfrac{32}{56} - \dfrac{7}{56}\right) \div \dfrac{1}{4} = \dfrac{7}{10}$

$\times \dfrac{25}{56} \div \dfrac{1}{4}$

$= \dfrac{7}{10} \times \dfrac{25}{56} \times \dfrac{4}{1} = \dfrac{5}{4}$

$\boxed{64}$(1)　$\dfrac{5}{8} \times \dfrac{4}{7} \times 0.7 = \dfrac{5}{8} \times \dfrac{4}{7} \times \dfrac{7}{10} = \dfrac{1}{4}$

(2)　$\dfrac{2}{3} \div \dfrac{1}{5} \times 0.9 = \dfrac{2}{3} \div \dfrac{1}{5} \times \dfrac{9}{10} = \dfrac{2}{3} \times \dfrac{5}{1} \times \dfrac{9}{10} = 3$

(3)　$\dfrac{3}{10} \times \dfrac{1}{9} \div 0.4 = \dfrac{3}{10} \times \dfrac{1}{9} \div \dfrac{4}{10} = \dfrac{3}{10} \times \dfrac{1}{9} \times \dfrac{10}{4} = \dfrac{1}{12}$

(4)　$\dfrac{3}{16} \div \dfrac{5}{4} \div 0.3 = \dfrac{3}{16} \div \dfrac{5}{4} \div \dfrac{3}{10} = \dfrac{3}{16} \times \dfrac{4}{5} \times \dfrac{10}{3} = \dfrac{1}{2}$

(5)　$\dfrac{1}{3} + 0.1 \times \dfrac{5}{6} = \dfrac{1}{3} + \dfrac{1}{10} \times \dfrac{5}{6} = \dfrac{1}{3} + \dfrac{1}{12} = \dfrac{4}{12} + \dfrac{1}{12}$

$= \dfrac{5}{12}$

(6)　$1.4 - \dfrac{1}{5} \div \dfrac{2}{7} = \dfrac{14}{10} - \dfrac{1}{5} \div \dfrac{2}{7} = \dfrac{14}{10} - \dfrac{1}{5} \times \dfrac{7}{2} = \dfrac{14}{10} - \dfrac{7}{10}$

$= \dfrac{7}{10}$

(7)　$0.5 \times \dfrac{10}{7} \div \dfrac{6}{7} + \dfrac{1}{6} = \dfrac{5}{10} \times \dfrac{10}{7} \div \dfrac{6}{7} + \dfrac{1}{6} = \dfrac{5}{10} \times \dfrac{10}{7}$

$\times \dfrac{7}{6} + \dfrac{1}{6} = \dfrac{5}{6} + \dfrac{1}{6} = 1$

(8)　$\dfrac{3}{4} - \dfrac{5}{4} \div 0.6 \times \dfrac{3}{10} = \dfrac{3}{4} - \dfrac{5}{4} \div \dfrac{6}{10} \times \dfrac{3}{10} = \dfrac{3}{4} - \dfrac{5}{4} \times \dfrac{10}{6}$

$\times \dfrac{3}{10} = \dfrac{3}{4} - \dfrac{5}{8}$

$= \dfrac{6}{8} - \dfrac{5}{8} = \dfrac{1}{8}$

(9)　$0.2 \div \dfrac{3}{5} + 0.8 \times \dfrac{5}{8} = \dfrac{2}{10} \div \dfrac{3}{5} + \dfrac{8}{10} \times \dfrac{5}{8} = \dfrac{2}{10} \times \dfrac{5}{3}$

$+ \dfrac{8}{10} \times \dfrac{5}{8} = \dfrac{1}{3} + \dfrac{1}{2}$

$= \dfrac{2}{6} + \dfrac{3}{6} = \dfrac{5}{6}$

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(10) $\dfrac{5}{6} \times 1.8 - \dfrac{8}{15} \div 0.4 = \dfrac{5}{6} \times \dfrac{18}{10} - \dfrac{8}{15} \div \dfrac{4}{10} = \dfrac{5}{6} \times \dfrac{18}{10}$

$- \dfrac{8}{15} \times \dfrac{10}{4} = \dfrac{3}{2} - \dfrac{4}{3}$

$\qquad = \dfrac{9}{6} - \dfrac{8}{6} = \dfrac{1}{6}$