

2008 慶應義塾湘南藤沢中等部

1. (1)  $5\frac{1}{3} \times 4\frac{3}{4} - 2\frac{5}{8} \div \frac{7}{12} = \boxed{\phantom{000}}$   
 (2)  $5 \div (\boxed{\phantom{000}} \times 1.75 - 0.625) = 2.5$   
 (3)  $2.3\text{分} + 132\text{秒} - 1\text{分}18\text{秒} = \boxed{\phantom{000}}\text{分}$

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1. (1)  $\left(\frac{3}{4} - \frac{2}{3}\right) \div 0.875 \times 1.008 \div 0.24 = \frac{\boxed{7}}{\boxed{1}}$   
 (2)  $22.5 - \boxed{7} \cdot \boxed{1} \div 3.14 \times \left(\frac{1}{6} + \frac{1}{3}\right) = 7\frac{1}{2}$

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1. (1)  $231 \times 7 \div 11 - 169 \times 5 \div 13$   
 (2)  $5.2 \div 1.3 \div 0.25 - 0.4 \div 0.25$   
 (3)  $1\frac{5}{6} + \frac{2}{5} \times \frac{3}{4} - \frac{1}{3} \div 2\frac{1}{2}$   
 (4)  $3\frac{1}{4} \times \left(4\frac{2}{5} - 3\frac{2}{3}\right) \div \left(\frac{3}{5} - \frac{5}{6} \times \frac{1}{2}\right)$

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1. (1)  $18 - 9 \div 3$   
 (2)  $(26 + 8 \div 4) \div 4$   
 (3)  $0.75 \div 0.375 + 2.5 \div 0.125$   
 (4)  $2\frac{3}{4} \div 3\frac{2}{3} - \frac{4}{5} \times \frac{1}{2}$

2.  $21 - \boxed{\phantom{000}} \div (11 - 8) \times 2 = 3$

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1. (1)  $200 + 8 \div 2 + 6 = \boxed{\phantom{000}}$   
 (2)  $13 \times 1.6 + 7 \times 1.6 = \boxed{\phantom{000}}$   
 (3)  $(28 - \boxed{\phantom{000}}) \div \frac{1}{5} = 20$   
 (4)  $31 + 32 + 33 + 34 + 67 + 68 + 69 = \boxed{\phantom{000}}$

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- (1)  $1\frac{4}{9} + \left(\frac{2}{3} + 1\frac{1}{6} \div 0.75\right) \times 1.6 = \boxed{\phantom{000}}$   
 (2)  $2\frac{6}{7} + 1\frac{5}{7} \div (3.5 - \boxed{\phantom{000}}) \times 5.25 = 8$

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$$\begin{aligned} 1. (1) & 5\frac{1}{3} \times 4\frac{3}{4} - 2\frac{5}{8} \div \frac{7}{12} \\ & = \frac{\cancel{7}^4}{3} \times \frac{19}{\cancel{4}_1} - \frac{\cancel{21}^3}{\cancel{8}_2} \times \frac{12^3}{\cancel{7}_1} \\ & = \frac{76}{3} - \frac{9}{2} = 24\frac{4}{3} - 4\frac{1}{2} = 24\frac{8}{6} - 4\frac{3}{6} = \underline{\underline{20\frac{5}{6}}} \end{aligned}$$

$$(2) 5 \div (\square \times 1.75 - 0.625) = 2.5$$

$$5 \div \left( 17 \times \frac{7}{4} - \frac{5}{8} \right) = 2.5$$

$$\textcircled{2} = 5 \div 2.5 = 2$$

$$\textcircled{1} - \frac{5}{8} = 2 \quad \textcircled{1} = \frac{5}{8} + 2 = 2\frac{5}{8} = \frac{21}{8}$$

$$\square \times \frac{7}{4} = \frac{21}{8} \quad \square = \frac{21}{8} \div \frac{7}{4} = \frac{21}{8} \times \frac{4}{7} = \frac{3}{2} = \underline{\underline{1\frac{1}{2}}} \quad (1.5)$$

(3)  $2\frac{3}{4} + 132\frac{1}{2} - 1\frac{1}{4}18\frac{1}{2}$

$$132 \div 60 \text{ 秒} = 2.2 \text{ 分}$$

$$18\text{秒} \div 60\text{秒} = 0.3\text{分}$$

[illegible]

A. 3.2 分

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1. (1)  $(\frac{3}{4} - \frac{2}{3}) \div 0.875 \times 1.008 \div 0.24$

$$= \frac{1}{\cancel{4}^1} \times \frac{8^2}{\cancel{4}^1} \times \frac{\cancel{12}^1 \cancel{4}^1 \times 2}{\cancel{100}^1 \cancel{8}^1} \times \frac{\cancel{100}^1}{\cancel{24}^1} = \frac{4}{10} = \frac{2}{5} \quad \rightarrow \quad \begin{matrix} P = \boxed{2} \\ I = \boxed{5} \end{matrix}$$

(2)  $22.5 - \square.\square \div 3.14 \times (\frac{1}{6} + \frac{1}{3}) = 7\frac{1}{2}$

①                      ②

$$\textcircled{2} = 22.5 - 7\frac{1}{2}$$

$$= 15$$

$$\textcircled{1} \times \frac{1}{2} = 15 \quad \textcircled{1} = 15 \div \frac{1}{2} = 30$$

$$\square.\square \div 3.14 = 30 \quad \square.\square = 30 \times 3.14 = 94.2 \rightarrow \overset{P}{\boxed{94}}.\overset{I}{\boxed{2}}$$

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1. (1)  $231 \times 7 \div 11 - 169 \times 5 \div 13$

$$= \frac{231 \times 7}{11} - \frac{169 \times 5}{13}$$

$$= 147 - 65 = \underline{\underline{82}}$$

(2)  $5.2 \div 1.3 \div 0.25 - 0.4 \div 0.25$

$$= \frac{52}{10} \times \frac{10}{13} \times \frac{4}{1} - \frac{4}{10} \times \frac{4}{1}$$

$$= 16 - 1.6 = \underline{\underline{14.4}}$$

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

$$= 1\frac{5}{6} + \frac{3}{10} - \frac{1}{3} \times \frac{2}{5}$$

$$= 1\frac{25}{30} + \frac{9}{30} - \frac{4}{30} = \underline{\underline{2}}$$

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

$$= \frac{13}{4} \times (3\frac{21}{15} - 3\frac{10}{15}) \div (\frac{36}{60} - \frac{25}{60})$$

$$= \frac{13}{4} \times \frac{11}{15} \times \frac{11}{15} = \underline{\underline{13}}$$

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1. (1)

$$18 - 9 \div 3$$

(先)

$$= 18 - 3 = \underline{\underline{15}}$$

$$(2) (26 + 8 \div 4) \div 4$$

(先)

$$= (26 + 2) \div 4$$

$$= 28 \div 4$$

$$= \underline{\underline{7}}$$

$$(3) 0.75 \div 0.375 + 2.5 \div 0.125$$

$$= \frac{3}{4} \div \frac{3}{8} + \frac{5}{2} \div \frac{1}{8}$$

$$= \frac{1}{\cancel{4}} \times \frac{8^2}{\cancel{3}} + \frac{5}{\cancel{2}} \times \frac{8^4}{\cancel{1}} = 2 + 20 = \underline{\underline{22}}$$

$$(4) 2\frac{3}{4} \div 3\frac{2}{3} - \frac{4^2}{5} \times \frac{1}{8}$$

$$= \frac{1}{\cancel{4}} \times \frac{3}{\cancel{4}} - \frac{2}{5}$$

$$= \frac{15}{20} - \frac{8}{20} = \underline{\underline{\frac{7}{20}}}$$

$$2. (1) 21 - \square \div (11 - 8) \times 2 = 3$$

$$\textcircled{3} = 21 - 3 = 18$$

$$\textcircled{2} \times 2 = 18$$

$$\textcircled{2} = 18 \div 2 = 9$$

$$\textcircled{1} = 11 - 8 = 3$$

$$\square \div 3 = 9$$

$$\square = 3 \times 9 = \underline{\underline{27}}$$

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$$1. (1) 200 + \underbrace{8 \div 2}_{\text{先}} + 6$$

$$= 200 + 4 + 6$$

$$= \underline{\underline{210}}$$

$$(2) \underbrace{13 \times 1.6} + \underbrace{7 \times 1.6}$$

$$= (13 + 7) \times 1.6$$

$$= 20 \times 1.6$$

$$= \underline{\underline{32}}$$

$$(3) (28 - \square) \div \frac{1}{5} = 20$$

$$(\quad) = 20 \times \frac{1}{5} = 4$$

$$28 - \square = 4 \quad \square = 28 - 4 = \underline{\underline{24}}$$

$$(4) \underbrace{31 + 32 + 33 + 34}_{100} + \underbrace{67 + 68 + 69}_{100}$$

100

$$= 100 \times 3 + 34$$

$$= \underline{\underline{334}}$$

2008 榮東中學

1. (1)  $1\frac{4}{9} + (\frac{2}{3} + \frac{1}{6} \div 0.75) \times 1.6$

$$= 1\frac{4}{9} + (\frac{2}{3} + \frac{1}{3} \times \frac{2}{3}) \times \frac{8}{5}$$

$$= 1\frac{4}{9} + (\frac{6}{9} + \frac{14}{9}) \times \frac{8}{5}$$

$$= 1\frac{4}{9} + \frac{20}{9} \times \frac{8}{5} = 1\frac{4}{9} + 3\frac{5}{9} = \underline{\underline{5}}$$

(2)  $2\frac{6}{7} + 1\frac{5}{7} \div (3.5 - \square) \times 5.25 = 8$

$$\textcircled{3} = 8 - 2\frac{6}{7} = 5\frac{1}{7} = \frac{36}{7}$$

$$\textcircled{2} = \frac{36}{7} \div 5.25 = \frac{36}{7} \times \frac{4}{21} = \frac{48}{49}$$

$$\textcircled{1} = 1\frac{5}{7} \div \frac{48}{49} = \frac{12}{7} \times \frac{49}{48} = \frac{7}{4}$$

$$\square = 3.5 - \frac{7}{4}$$

$$= 3.5 - 1.75$$

$$= \underline{\underline{1.75}} \quad (1\frac{3}{4})$$

$$\begin{array}{r} 3.5 \\ - 1.75 \\ \hline 1.75 \end{array}$$