

愛知県公立入試問題過去問①【1年】

正の数・負の数

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$$【8A】 \frac{14}{9} \times \left(-\frac{3}{2}\right)^2 \div \frac{7}{6}$$

$$【8B】 \left(\frac{4}{5} - \frac{2}{3}\right) \div \left(-\frac{2}{3}\right)^2$$

$$【9A】 \frac{7}{4} \div \left(-\frac{14}{3}\right) \times \left(-\frac{2}{3}\right)^2$$

$$【9B】 5 - \frac{3}{4} \times (-2)^2$$

$$【10A】 6 - 9 \times \left(-\frac{2}{3}\right)^2$$

$$【10B】 \frac{1}{2} + \frac{3}{4} \div \left(-\frac{2}{3}\right)$$

$$【11B】 \frac{7}{2} - \frac{3}{8} \times 6^2$$

$$【12A】 \frac{3}{2} - \frac{5}{8} \times (-2)^2$$

$$【12B】 -\frac{3}{10} \div \frac{4}{5} \times \left(-\frac{2}{3}\right)^2$$

$$【13B】 12 - 4 \div \left(-\frac{2}{3}\right)^2$$

$$【14A】 (-3)^2 - (-4)$$

$$【15A】 -\frac{3}{7} \div \frac{8}{21} - (-2)^2$$

【15B】 ① $\left(\frac{5}{6} - \frac{4}{9}\right) \div \left(-\frac{2}{3}\right)^2$

② $-4 - (-2) + 8$

【16A】 $3 \times 4 - (-2)$

【16B】 ① $\left(-\frac{1}{2}\right)^2 \div \left(-\frac{1}{14}\right) + \frac{1}{2}$

② $5 - 2 \times (-4)$

【17A】 ① $9 - 6 \times 2$

② $\left(-\frac{4}{5}\right) \div \left(-\frac{6}{7}\right) \div 2$

【17B】 ① $5 + 4 \div 2$

② $\frac{5}{4} - \left(-\frac{1}{6}\right) - \frac{7}{3}$

【18A】 ① $-8 + 10 \div 5$

② $\frac{1}{4} - \left(-\frac{5}{6}\right)$

【18B】 ① $6 \times 7 - (-3)$

② $\frac{13}{12} \div \left(\frac{7}{6} - \frac{4}{9}\right)$

【19A】 $15 - (-6)$

② $\frac{1}{6} - \left(-\frac{2}{3}\right)^2 \div 2$

【19B】 ① $-6 \div 3 + 7$

② $\frac{11}{12} - \frac{5}{9} - \left(-\frac{15}{18}\right)$

【20A】 ① $-2 + 18 \div 2$

② $\frac{3}{8} - \left(-\frac{5}{12}\right)$

【20B】 $11 - (-3) + (-9)$

【21A】 $6 + (-17) - (-2)$

【21B】 ① $14 - 21 \div (-7)$

② $\frac{1}{4} - \frac{5}{6} - \left(-\frac{2}{3}\right)$

【22A】 $3 \times (-2) - 9$

【22B】 ① $-2^2 + (-3)^2$

② $\frac{3}{2} + \frac{1}{6} \div \left(-\frac{2}{3}\right)$

【23A】 $5 - 3 \times 4$

【23B】 $3 + (-12) + (-4)^2$

【24A】 $12 - 8 \div 2$

【24B】 $6 - 3 \times (-4)$

【25A】 $8 - (-2) \times 3$

【25B】 ① $12 - (-24) \div (-3)$

② $\frac{8}{9} + \left(-\frac{3}{2}\right) - \left(-\frac{2}{3}\right)$

【26A】 ① $12 \div (-4) + 9$

【26B】 ① $-6 - (-20)$

$$\text{【26B】 } \textcircled{2} \frac{16}{7} \times \left(\frac{5}{4} - 3 \right)$$

$$\text{【27A】 } \textcircled{1} 3 \times (-2) - 9$$

$$\textcircled{2} \left(-\frac{3}{2} \right)^2 \div \frac{27}{8}$$

$$\text{【27B】 } 2 - 5 \times (2 - 5)$$

$$\text{【28A】 } \textcircled{1} 9 \div (-3) + 7$$

$$\textcircled{2} \left(-\frac{4}{3} \right)^2 \div (-2)^2$$

$$\text{【28B】 } -8 - (-25)$$

$$\text{【29A】 } 2 + 3 \times (1 - 4)$$

$$\text{【29B】 } (-4) + 3 \times (-3)$$

$$\text{【30A】 } 6 - (-24) \div 6$$

$$\text{【30B】 } 2 \times (-3) + 10$$

$$\text{【31A】 } 8 - (2 - 5)$$

$$\text{【31B】 } 10 - 4 \div (-2)$$

$$\text{【R2A】 } 3 - 4 \times (-2)$$

$$\text{【R2B】 } 4 - 6 \div (-2)$$

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$$【8A】 \frac{14}{9} \times \left(-\frac{3}{2}\right)^2 \div \frac{7}{6} = \frac{\cancel{14}^7}{\cancel{9}_3} \times \left(\frac{\cancel{3}^1}{\cancel{2}_1}\right)^2 \times \frac{\cancel{6}^3}{\cancel{7}_1} = \underline{3} //$$

$$【8B】 \left(\frac{4}{5} - \frac{2}{3}\right) \div \left(-\frac{2}{3}\right)^2 = \left(\frac{12}{15} - \frac{10}{15}\right) \div \frac{4}{9} = \frac{\cancel{2}^1}{\cancel{15}_5} \times \frac{\cancel{9}^3}{\cancel{4}_2} = \underline{\frac{3}{10}} //$$

$$【9A】 \frac{7}{4} \div \left(-\frac{14}{3}\right) \times \left(-\frac{2}{3}\right)^2 = \frac{\cancel{7}^1}{\cancel{4}_2} \times \left(-\frac{\cancel{3}^1}{\cancel{14}_2}\right) \times \frac{\cancel{4}^2}{\cancel{9}_3} = \underline{-\frac{1}{6}} //$$

$$【9B】 5 - \frac{3}{4} \times (-2)^2 = 5 - \frac{3}{\cancel{4}_2} \times \cancel{4} = 5 - 3 = \underline{2} //$$

$$【10A】 6 - 9 \times \left(-\frac{2}{3}\right)^2 = 6 - \cancel{9}_3 \times \frac{\cancel{4}^2}{\cancel{3}_1} = 6 - 4 = \underline{2} //$$

$$【10B】 \frac{1}{2} + \frac{3}{4} \div \left(-\frac{2}{3}\right) = \frac{1}{2} + \frac{3}{\cancel{4}_2} \times \left(-\frac{\cancel{3}^1}{\cancel{2}_1}\right) = \frac{1}{2} - \frac{9}{8} = \frac{4-9}{8} = \underline{-\frac{5}{8}} //$$

$$【11B】 \frac{7}{2} - \frac{3}{8} \times 6^2 = \frac{7}{2} - \frac{\cancel{3}^3}{\cancel{8}_2} \times \cancel{36}^9 = \frac{7}{2} - \frac{27}{2} = \underline{-\frac{20}{2}} = \underline{-10} //$$

$$【12A】 \frac{3}{2} - \frac{5}{8} \times (-2)^2 = \frac{3}{2} - \frac{\cancel{5}^5}{\cancel{8}_2} \times \cancel{4} = \frac{3}{2} - \frac{5}{2} = \underline{-\frac{2}{2}} = \underline{-1} //$$

$$【12B】 -\frac{3}{10} \div \frac{4}{5} \times \left(-\frac{2}{3}\right)^2 = -\frac{\cancel{3}^1}{\cancel{10}_2} \times \frac{\cancel{5}^1}{\cancel{4}_2} \times \frac{\cancel{4}^2}{\cancel{9}_3} = \underline{-\frac{1}{6}} //$$

$$【13B】 12 - 4 \div \left(-\frac{2}{3}\right)^2 = 12 - 4 \div \frac{4}{9} = 12 - \cancel{4}_1 \times \frac{\cancel{9}^3}{\cancel{4}_1} = 12 - 9 = \underline{3} //$$

$$【14A】 (-3)^2 - (-4) = 9 + 4 = \underline{13} //$$

$$【15A】 -\frac{3}{7} \div \frac{8}{21} - (-2)^2 = -\frac{\cancel{3}^3}{\cancel{7}_1} \times \frac{\cancel{21}^3}{\cancel{8}_8} - 4 = -\frac{9}{8} - \frac{32}{8} = \underline{-\frac{41}{8}} //$$

$$【15B】 \textcircled{1} \left(\frac{5}{6} - \frac{4}{9}\right) \div \left(-\frac{2}{3}\right)^2 = \left(\frac{15}{18} - \frac{8}{18}\right) \div \frac{4}{9} = \frac{7}{18} \times \frac{9}{4} = \frac{7}{8} \underline{\quad\quad\quad} \#$$

$$\textcircled{2} -4 - (-2) + 8 = -4 + 2 + 8 = \underline{6} \#$$

$$【16A】 3 \times 4 - (-2) = 12 + 2 = \underline{14} \#$$

$$【16B】 \textcircled{1} \left(-\frac{1}{2}\right)^2 \div \left(-\frac{1}{14}\right) + \frac{1}{2} = \frac{1}{4} \times (-14) + \frac{1}{2} = -\frac{7}{2} + \frac{1}{2} = \underline{-3} \#$$

$$\textcircled{2} 5 - 2 \times (-4) = 5 - (-8) = 5 + 8 = \underline{13} \#$$

$$【17A】 \textcircled{1} 9 - 6 \times 2 = 9 - 12 = \underline{-3} \#$$

$$\textcircled{2} \left(-\frac{4}{5}\right) \div \left(-\frac{6}{7}\right) \div 2 = \overset{1}{2} \times \left(-\frac{7}{6}\right) \times \frac{1}{2} = \frac{7}{15} \underline{\quad\quad\quad} \#$$

$$【17B】 \textcircled{1} 5 + 4 \div 2 = 5 + 2 = \underline{7} \#$$

$$\textcircled{2} \frac{5}{4} - \left(-\frac{1}{6}\right) - \frac{7}{3} = \frac{5}{4} + \frac{1}{6} - \frac{7}{3} = \frac{15 + 2 - 28}{12} = \underline{-\frac{11}{12}} \#$$

$$【18A】 \textcircled{1} -8 + 10 \div 5 = -8 + 2 = \underline{-6} \#$$

$$\textcircled{2} \frac{1}{4} - \left(-\frac{5}{6}\right) = \frac{1}{4} + \frac{5}{6} = \frac{3 + 10}{12} = \frac{13}{12} \underline{\quad\quad\quad} \#$$

$$【18B】 \textcircled{1} 6 \times 7 - (-3) = 42 + 3 = \underline{45} \#$$

$$\textcircled{2} \frac{13}{12} \div \left(\frac{7}{6} - \frac{4}{9}\right) = \frac{13}{12} \div \left(\frac{21}{18} - \frac{8}{18}\right) = \frac{13}{12} \div \frac{13}{18} = \frac{13}{12} \times \frac{18}{13} = \underline{\frac{3}{2}} \#$$

$$【19A】 15 - (-6) = 15 + 6 = \underline{21} \#$$

$$\textcircled{2} \frac{1}{6} - \left(-\frac{2}{3}\right)^2 \div 2 = \frac{1}{6} - \frac{4}{9} \times \frac{1}{2} = \frac{1}{6} - \frac{2}{9} = \frac{3 - 4}{18} = \underline{-\frac{1}{18}} \#$$

$$【19B】 \textcircled{1} -6 \div 3 + 7 = -2 + 7 = \underline{5} \#$$

$$\textcircled{2} \frac{11}{12} - \frac{5}{9} - \left(-\frac{15}{18}\right) = \frac{11}{12} - \frac{5}{9} + \frac{15}{18} = \frac{33 - 20 + 30}{36} = \underline{\frac{43}{36}} \#$$

$$\text{【20A】 } \textcircled{1} -2 + 18 \div 2 = -2 + 9 = \underline{7} \#$$

$$\textcircled{2} \frac{3}{8} - \left(-\frac{5}{12}\right) = \frac{9}{24} + \frac{10}{24} = \underline{\frac{19}{24}} \#$$

$$\text{【20B】 } 11 - (-3) + (-9) = 11 + 3 - 9 = \underline{5} \#$$

$$\text{【21A】 } 6 + (-17) - (-2) = 6 - 17 + 2 = \underline{-7} \#$$

$$\text{【21B】 } \textcircled{1} 14 - 21 \div (-7) = 14 + 3 = \underline{17} \#$$

$$\textcircled{2} \frac{1}{4} - \frac{5}{6} - \left(-\frac{2}{3}\right) = \frac{1}{4} - \frac{5}{6} + \frac{2}{3} = \frac{3 - 10 + 8}{12} = \underline{\frac{1}{12}} \#$$

$$\text{【22A】 } 3 \times (-2) - 9 = -6 - 9 = \underline{-15} \#$$

$$\text{【22B】 } \textcircled{1} -2^2 + (-3)^2 = -(2 \times 2) + 9 = -4 + 9 = \underline{5} \#$$

$$\textcircled{2} \frac{3}{2} + \frac{1}{6} \div \left(-\frac{2}{3}\right) = \frac{3}{2} + \frac{1}{6} \times \left(-\frac{3}{2}\right) = \frac{3}{2} - \frac{1}{4} = \frac{6 - 1}{4} = \underline{\frac{5}{4}} \#$$

$$\text{【23A】 } 5 - 3 \times 4 = 5 - 12 = \underline{-7} \#$$

$$\text{【23B】 } 3 + (-12) + (-4)^2 = 3 - 12 + 16 = \underline{7} \#$$

$$\text{【24A】 } 12 - 8 \div 2 = 12 - 4 = \underline{8} \#$$

$$\text{【24B】 } 6 - 3 \times (-4) = 6 + 12 = \underline{18} \#$$

$$\text{【25A】 } 8 - (-2) \times 3 = 8 - (-6) = 8 + 6 = \underline{14} \#$$

$$\text{【25B】 } \textcircled{1} 12 - (-24) \div (-3) = 12 - (+8) = 12 - 8 = \underline{4} \#$$

$$\textcircled{2} \frac{8}{9} + \left(-\frac{3}{2}\right) - \left(-\frac{2}{3}\right) = \frac{8}{9} - \frac{3}{2} + \frac{2}{3} = \frac{16 - 27 + 12}{18} = \underline{\frac{1}{18}} \#$$

$$\text{【26A】 } \textcircled{1} 12 \div (-4) + 9 = -3 + 9 = \underline{6} \#$$

$$\text{【26B】 } \textcircled{1} -6 - (-20) = -6 + 20 = \underline{14} \#$$

$$[26B] \textcircled{2} \frac{16}{7} \times \left(\frac{5}{4} - 3\right) = \frac{16}{7} \times \left(\frac{5}{4} - \frac{12}{4}\right) = \frac{16}{7} \times \left(-\frac{7}{4}\right) = \underline{-4} \#$$

$$[27A] \textcircled{1} 3 \times (-2) - 9 = -6 - 9 = \underline{-15} \#$$

$$\textcircled{2} \left(-\frac{3}{2}\right)^2 \div \frac{27}{8} = \frac{\cancel{9}^1 \times \cancel{8}^2}{\cancel{4}_3} \times \frac{2}{27 \times 3} = \frac{2}{3} \#$$

$$[27B] 2 - 5 \times (2 - 5) = 2 - 5 \times (-3) = 2 + 15 = \underline{17} \#$$

$$[28A] \textcircled{1} 9 \div (-3) + 7 = -3 + 7 = \underline{4} \#$$

$$\textcircled{2} \left(-\frac{4}{3}\right)^2 \div (-2)^2 = \frac{16}{9} \div 4 = \frac{4}{9} \#$$

$$[28B] -8 - (-25) = -8 + 25 = \underline{17} \#$$

$$[29A] 2 + 3 \times (1 - 4) = 2 + 3 \times (-3) = 2 - 9 = \underline{-7} \#$$

$$[29B] (-4) + 3 \times (-3) = -4 + (-9) = -4 - 9 = \underline{-13} \#$$

$$[30A] 6 - (-24) \div 6 = 6 - (-4) = 6 + 4 = \underline{10} \#$$

$$[30B] 2 \times (-3) + 10 = -6 + 10 = \underline{4} \#$$

$$[31A] 8 - (2 - 5) = 8 - (-3) = 8 + 3 = \underline{11} \#$$

$$[31B] 10 - 4 \div (-2) = 10 - (-2) = 10 + 2 = \underline{12} \#$$

$$[R2A] 3 - 4 \times (-2) = 3 - (-8) = 3 + 8 = \underline{11} \#$$

$$[R2B] 4 - 6 \div (-2) = 4 - (-3) = 4 + 3 = \underline{7} \#$$