

Basic Math Exam

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①  $121 + 5 + 4,795 + 12 + 13,274 = ?$

$$\begin{array}{r} 122 \\ 13,274 \\ 4,795 \\ 121 \\ 125 \\ 5 \\ 4 \\ + \\ \hline 18,211 \end{array}$$

$18,211$

②  $3640.00$   
 $34.88$   
 $7.00$   
 $.41$

$$\hline 3682.29$$

$3,682.29$

③  $3034.0800$   
 $973.7000$   
 $46.0000$   
 $.3053$

$$\hline 4054.0853$$

$4,054.0853$

④  $\frac{162}{9} + \frac{2}{9} + \frac{5}{3} + \frac{4}{12} = \frac{164}{9} + \frac{5}{3} + \frac{4}{12} = \frac{164}{9} + \frac{5}{3} + \frac{1}{3} = \frac{164}{9} + \frac{6}{3} = \frac{164}{9} + \frac{18}{9}$

~~$\frac{162}{9} + \frac{2}{9} + \frac{5}{3} + \frac{4}{12}$~~

~~$\frac{170}{9} + \frac{4}{12}$~~

$\frac{182}{9} = 20 \frac{2}{9}$

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

$$10 + \frac{3}{15} + \frac{10}{15} + \frac{1}{2} = \frac{26}{30} + \frac{15}{30} + 10$$

~~$$10 + \frac{18}{30} + \frac{15}{30} + \frac{1}{2}$$~~

$$10 + \frac{41}{30} = \boxed{11\frac{11}{30}}$$

~~$$24,468$$~~

$$\begin{array}{r} 24,468 \\ - 7,895 \\ \hline 24,468 \end{array}$$

$$\boxed{24,468}$$

~~$$3,176$$~~

$$\begin{array}{r} 3,176 \\ - 0,824 \\ \hline 3,176 \end{array}$$

$$\boxed{3,176}$$

~~$$40,318$$~~

$$\begin{array}{r} 42,908 \\ - 2,590 \\ \hline 40,318 \end{array}$$

$$\boxed{40,318}$$

$$⑨ \ 11\frac{3}{8} - 4\frac{6}{10} = 11\frac{15}{40} - 4\frac{24}{40}$$

~~$$\frac{91}{8} - \frac{46}{10}$$~~

~~$$\frac{455}{40} - \frac{184}{40} = \frac{271}{40}$$~~

$$\frac{455}{40} - \frac{184}{40} = \frac{271}{40} = \boxed{\frac{31}{40}}$$

~~$$\frac{910}{80} - \frac{368}{80} = \frac{542}{80} = \frac{271}{40}$$~~

$$\textcircled{10} \quad 5\frac{3}{4} - 2\frac{4}{5} = 5\frac{15}{20} - 2\frac{16}{20} = \frac{115}{20} - \frac{56}{20} = \frac{59}{20} = \boxed{2\frac{19}{20}}$$

$$\textcircled{11} \quad \begin{array}{r} 3152 \\ \times 406 \\ \hline 1523312 \end{array}$$

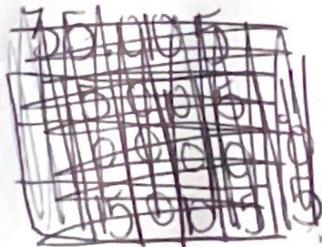
$$\textcircled{12} \quad 4\frac{2}{7} \times \frac{1}{2} \quad \text{[scribbled out]$$

$$\frac{30}{7} \times \frac{1}{2} = \frac{30}{14} = 2\frac{2}{14} = \boxed{2\frac{1}{7}}$$

$$\textcircled{13} \quad 5\frac{1}{3} \times 1\frac{5}{6} = \frac{10}{3} \times \frac{11}{6} = \frac{110}{18} = 6\frac{2}{18} = \boxed{6\frac{1}{9}}$$

$$\textcircled{14} \quad 25\frac{2}{5} \times 5 = \frac{127}{5} \times \frac{5}{1} = \frac{635}{5} = \boxed{127}$$

$$\textcircled{15} \quad \begin{array}{r} 35.005 \\ \times 1.05 \\ \hline 36.75525 \end{array}$$



$$\textcircled{16} \quad \begin{array}{r} 452 \\ 12 \overline{) 1452} \\ \underline{1200} \phantom{00} \\ 252 \phantom{00} \\ \underline{2400} \phantom{00} \\ 120 \phantom{00} \\ \underline{1200} \phantom{00} \\ 000 \phantom{00} \end{array}$$

$$\boxed{37.67}$$

$$\textcircled{17} \quad \begin{array}{r} 4 \overline{) 1.600} \\ \underline{1200} \phantom{00} \\ 400 \phantom{00} \\ \underline{400} \phantom{00} \\ 000 \phantom{00} \end{array} \quad \boxed{0.4}$$

$$\textcircled{18} \quad 4\frac{1}{5} \div \frac{1}{75} \quad \text{[scribbled out]$$

$$\frac{21}{5} \div \frac{1}{75} = \frac{21}{5} \times \frac{75}{1}$$

$$\frac{1575}{5} = \boxed{315}$$

$$\textcircled{19} \quad 4\frac{1}{4} \div 1\frac{1}{2} = \frac{17}{4} \div \frac{3}{2}$$

$$\frac{17}{4} \times \frac{2}{3} = \frac{34}{12} = 2\frac{10}{12} = \boxed{2\frac{5}{6}}$$

$$\boxed{0.83}$$

$$\textcircled{20} \quad 2\frac{1}{5} \div 3 = \frac{11}{5} \div \frac{3}{1}$$

$$\frac{11}{5} \times \frac{1}{3} = \frac{11}{15} = \boxed{0.73}$$