

FRACTION ATTRACTION

Do the exercises below. Find your answers in the rectangle at the bottom of the page. Cross out each box containing a correct answer. When you finish, there will be 9 boxes not crossed out. Print the letters in these boxes in the bottom row of boxes.

A HIDDEN MESSAGE WILL APPEAR!

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|--|---|--|
| 1 $2\frac{2}{3} + -1\frac{1}{2} = 1\frac{1}{6}$ | 7 $4\frac{1}{4} - -2\frac{2}{5} = 6\frac{13}{20}$ | 13 $1\frac{1}{2} - 6\frac{7}{9} = -5\frac{5}{18}$ |
| 2 $-5\frac{5}{6} - -2\frac{3}{5} = -3\frac{2}{30}$ | 8 $-7\frac{1}{8} + 4\frac{3}{4} = -2\frac{3}{8}$ | 14 $-2\frac{3}{4} - 6\frac{5}{9} = -9\frac{11}{36}$ |
| 3 $-2\frac{1}{3} + -2\frac{3}{10} = -4\frac{19}{30}$ | 9 $1\frac{5}{6} - -3\frac{7}{8} = 5\frac{17}{24}$ | 15 $-1\frac{3}{4} + 5\frac{1}{6} = 3\frac{5}{12}$ |
| 4 $9\frac{1}{9} - \frac{5}{6} = 8\frac{5}{18}$ | 10 $7\frac{5}{12} + -7\frac{7}{8} = -\frac{11}{24}$ | 16 $-4\frac{1}{2} - -6\frac{2}{5} = 1\frac{9}{10}$ |
| 5 $5\frac{3}{4} + 1\frac{11}{15} = 7\frac{29}{60}$ | 11 $4\frac{5}{8} + \frac{2}{3} = 5\frac{2}{24}$ | 17 $\frac{11}{15} + -5\frac{1}{2} = -4\frac{23}{30}$ |
| 6 $-\frac{7}{8} - 4\frac{4}{5} = -5\frac{27}{40}$ | 12 $-3\frac{1}{3} + -3\frac{5}{16} = -6\frac{31}{48}$ | 18 $-6 + 6\frac{1}{8} = \frac{1}{8}$ |

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|---|--|---|---|---|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAR $-\frac{9}{36}$ | RET $6\frac{13}{20}$ | RAC $\frac{1}{8}$ | KET $-\frac{4}{30}$ | ERS $-\frac{4}{30}$ | KID $3\frac{11}{12}$ | OGS $5\frac{7}{24}$ | TOP $7\frac{29}{60}$ | SWI $-\frac{9}{36}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THM $-\frac{5}{40}$ | NGT $8\frac{5}{18}$ | ALL $-\frac{6}{48}$ | UMP $-\frac{6}{48}$ | IRE $-\frac{5}{40}$ | STA $1\frac{1}{6}$ | SHA $7\frac{37}{60}$ | LLO $5\frac{17}{24}$ | VEA $6\frac{9}{20}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CUT $\frac{11}{24}$ | SWE $8\frac{1}{18}$ | ETI $-\frac{5}{18}$ | SFA $-\frac{3}{30}$ | LLT $-\frac{4}{30}$ | OST $3\frac{5}{12}$ | ALL $-\frac{2}{8}$ | IME $2\frac{3}{10}$ | ING $1\frac{9}{10}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>K</td><td>I</td><td>D</td><td>S</td><td>W</td><td>I</td><td>T</td><td>H</td><td>M</td><td>A</td><td>L</td><td>L</td><td>S</td><td>H</td><td>A</td><td>V</td><td>E</td><td>A</td><td>S</td><td>W</td><td>E</td><td>L</td><td>L</td><td>T</td><td>I</td><td>M</td><td>E</td> </tr> </table> | | | | | | | | | K | I | D | S | W | I | T | H | M | A | L | L | S | H | A | V | E | A | S | W | E | L | L | T | I | M | E |
| K | I | D | S | W | I | T | H | M | A | L | L | S | H | A | V | E | A | S | W | E | L | L | T | I | M | E | | | | | | | | | |

FRACTION ATTRACTION

$$\begin{aligned} \textcircled{1} \quad & 2\frac{2}{3} + (-1\frac{1}{2}) \\ &= \frac{8}{3} + (-\frac{3}{2}) \\ &= \frac{16}{6} + (-\frac{9}{6}) \\ &= \frac{7}{6} = 1\frac{1}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & -5\frac{5}{6} - (-2\frac{3}{5}) \\ &= -\frac{35}{6} - (-\frac{13}{5}) \\ &= -\frac{175}{30} - (-\frac{78}{30}) \\ &= -\frac{97}{30} = -3\frac{7}{30} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & -2\frac{1}{3} + (-2\frac{3}{10}) \\ &= -\frac{7}{3} + (-\frac{23}{10}) \\ &= -\frac{70}{30} + (-\frac{69}{30}) \\ &= -\frac{139}{30} = -4\frac{19}{30} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 9\frac{1}{9} - 5\frac{5}{6} \\ &= \frac{82}{9} - 5\frac{5}{6} \\ &= \frac{164}{18} - \frac{15}{18} \\ &= \frac{149}{18} = 8\frac{5}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & 5\frac{3}{4} + 1\frac{11}{15} \\ &= \frac{23}{4} + \frac{26}{15} \\ &= \frac{345}{60} + \frac{104}{60} \\ &= \frac{449}{60} = 7\frac{29}{60} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & -7\frac{1}{8} - 4\frac{4}{5} \\ &= -\frac{7}{8} - \frac{24}{5} \\ &= -\frac{35}{40} - \frac{192}{40} \\ &= -\frac{227}{40} = -5\frac{27}{40} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & 4\frac{1}{4} - (-2\frac{2}{5}) \\ &= \frac{17}{4} - (-\frac{12}{5}) \\ &= \frac{85}{20} - (-\frac{48}{20}) \\ &= \frac{133}{20} = 6\frac{13}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & -7\frac{1}{8} + 4\frac{3}{4} \\ &= -\frac{57}{8} + \frac{19}{4} \\ &= -\frac{57}{8} + \frac{38}{8} \\ &= -\frac{19}{8} = -2\frac{3}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & 1\frac{5}{6} - (-3\frac{7}{8}) \\ &= \frac{11}{6} - (-\frac{31}{8}) \\ &= \frac{44}{24} - (-\frac{93}{24}) \\ &= \frac{137}{24} = 5\frac{17}{24} \end{aligned}$$

$$\begin{aligned}
 \textcircled{10} \quad & 7\frac{5}{12} + (-7\frac{7}{8}) \\
 &= \frac{89}{12} + \left(-\frac{63}{8}\right) \\
 &= \frac{178}{24} + \left(-\frac{189}{24}\right) \\
 &= -\frac{11}{24}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{11} \quad & 4\frac{5}{8} + \frac{2}{3} \\
 &= \frac{37}{8} + \frac{2}{3} \\
 &= \frac{11}{24} + \frac{16}{24} \\
 &= \frac{127}{24} = 5\frac{7}{24}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{12} \quad & -3\frac{1}{3} + (-3\frac{5}{16}) \\
 &= -\frac{10}{3} + \left(-\frac{53}{16}\right) \\
 &= -\frac{160}{48} + \left(-\frac{159}{48}\right) \\
 &= -\frac{319}{48} = -6\frac{31}{48}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{13} \quad & 1\frac{1}{2} - 6\frac{7}{9} \\
 &= \frac{3}{2} - \frac{61}{9} \\
 &= \frac{27}{18} - \frac{122}{18} \\
 &= -\frac{95}{18} = -5\frac{5}{18}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{14} \quad & -2\frac{3}{4} - 6\frac{5}{9} \\
 &= -\frac{11}{4} - \frac{59}{9} \\
 &= -\frac{99}{36} - \frac{236}{36} \\
 &= -\frac{335}{36} = -9\frac{11}{36}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{15} \quad & -1\frac{3}{4} + 5\frac{1}{6} \\
 &= -\frac{7}{4} + \frac{31}{6} \\
 &= -\frac{21}{12} + \frac{62}{12} \\
 &= \frac{41}{12} = 3\frac{5}{12}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{16} \quad & -4\frac{1}{2} - (-6\frac{2}{5}) \\
 &= -\frac{9}{2} - \left(-\frac{32}{5}\right) \\
 &= -\frac{45}{10} - \left(-\frac{64}{10}\right) \\
 &= \frac{19}{10} = 1\frac{9}{10}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{17} \quad & \frac{11}{15} + (-5\frac{1}{2}) \\
 &= \frac{11}{15} + \left(-\frac{11}{2}\right) \\
 &= \frac{22}{30} + \left(-\frac{165}{30}\right) \\
 &= -\frac{143}{30} = -4\frac{23}{30}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{18} \quad & -6 + 6\frac{1}{8} \\
 &= -6 + \frac{49}{8} \\
 &= -\frac{48}{8} + \frac{49}{8} \\
 &= \frac{1}{8}
 \end{aligned}$$