

Adding & Subtracting Fraction Review DAY ONE

For each problem below, add or subtract. Show your work to earn full credit.

1) $\frac{1}{2} - \frac{1}{4} = \underline{\hspace{2cm}}$

$\frac{2}{4} - \frac{1}{4} = \boxed{\frac{1}{4}}$

2) $\frac{4}{8} + \frac{1}{4} = \underline{\hspace{2cm}}$

$\frac{4}{8} + \frac{2}{8} = \frac{6}{8} \div 2 \boxed{\frac{3}{4}}$

3) $\frac{1}{3} + \frac{3}{9} = \underline{\hspace{2cm}}$

$\frac{3}{9} + \frac{3}{9} = \frac{6}{9} \div 3 \boxed{\frac{2}{3}}$

4) $\frac{3}{5} - \frac{1}{3} = \underline{\hspace{2cm}}$

$\frac{9}{15} - \frac{5}{15} = \boxed{\frac{4}{15}}$

5) $\frac{2}{3} - \frac{1}{2} = \underline{\hspace{2cm}}$

$\frac{4}{6} - \frac{3}{6} = \boxed{\frac{1}{6}}$

6) $\frac{7}{10} - \frac{1}{2} = \underline{\hspace{2cm}}$

$\frac{7}{10} - \frac{5}{10} = \frac{2}{10} \div 2 \boxed{\frac{1}{5}}$

7) $\frac{3}{6} + \frac{2}{12} = \underline{\hspace{2cm}}$

$\frac{6}{12} + \frac{2}{12} = \frac{8}{12} \div 4 \boxed{\frac{2}{3}}$

8) $\frac{4}{14} + \frac{1}{7} = \underline{\hspace{2cm}}$

$\frac{4}{14} + \frac{2}{14} = \frac{6}{14} \div 2 \boxed{\frac{3}{7}}$

9) $\frac{1}{3} + \frac{3}{9} = \underline{\hspace{2cm}}$

$\frac{3}{9} + \frac{3}{9} = \frac{6}{9} \div 3 \boxed{\frac{2}{3}}$

10) $\frac{4}{12} - \frac{1}{3} = \underline{\hspace{2cm}}$

$\frac{4}{12} - \frac{4}{12} = \frac{0}{12} \boxed{0}$

11) $1\frac{10}{21} + 4\frac{5}{7} = \underline{\hspace{2cm}}$

$\frac{31}{21} + \frac{33}{21} = \boxed{\frac{130}{21}}$

12) $2\frac{7}{27} + 8\frac{5}{9} = \underline{\hspace{2cm}}$

$\frac{61}{27} + \frac{77}{27} = \boxed{\frac{292}{27}}$

13) $7\frac{4}{5} - 3\frac{8}{20} = \underline{\hspace{2cm}}$

$\frac{39}{5} - \frac{68}{20} = \boxed{\frac{22}{5}}$

14) $9\frac{8}{20} - 4\frac{2}{5} = \underline{\hspace{2cm}}$

$\frac{188}{20} - \frac{22}{5} = \frac{188}{20} - \frac{88}{20} = \frac{100}{20} = \boxed{5}$

15) $3\frac{1}{7} + 5\frac{12}{21} = \underline{\hspace{2cm}}$

$\frac{22}{7} + \frac{117}{21}$

$\frac{156}{20} - \frac{68}{20} = \frac{88}{20} \div 4$ $\frac{66}{21} + \frac{117}{21} = \frac{183}{21} \div 3 \boxed{\frac{61}{7}}$

For each problem, add or subtract fractions and then compare results. Write greater than (>), less than (<), or equal to (=). Show work for full credit.

$$1) 6\frac{1}{4} - 3\frac{1}{20} = 6\frac{1}{4} - 3\frac{1}{20}$$

$$\frac{25}{4} - \frac{6}{20} = \frac{25}{4} - \frac{6}{20}$$

$$3.2 = 3.2$$

$$2) 3\frac{1}{4} + 3\frac{4}{6} > 2\frac{1}{2} + 3\frac{1}{2}$$

$$\frac{13}{4} + \frac{22}{6} = \frac{5}{2} + \frac{7}{2}$$

$$6.917 > 6$$

$$3) 6\frac{5}{10} + 8\frac{1}{4} > 2\frac{4}{14} + 7\frac{1}{7}$$

$$\frac{65}{10} + \frac{33}{4} = \frac{32}{14} + \frac{50}{7}$$

$$14.75 > 9.429$$

$$4) 5\frac{1}{4} - 1\frac{1}{8} < 3\frac{1}{2} + 5\frac{3}{6}$$

$$\frac{21}{4} - \frac{9}{8} = \frac{7}{2} + \frac{33}{6}$$

$$4.125 < 9$$

$$5) 8\frac{3}{4} - 3\frac{5}{7} < 9\frac{6}{7} - 3\frac{2}{14}$$

$$\frac{35}{4} - \frac{26}{7} = \frac{69}{7} - \frac{44}{14}$$

$$5.036 < 6.714$$

$$6) 9\frac{5}{6} + 5\frac{2}{3} > 8\frac{7}{9} - 4\frac{1}{3}$$

$$\frac{59}{6} + \frac{17}{3} = \frac{79}{9} - \frac{13}{3}$$

$$15.5 > 4.44$$

For each problem below, find the missing factor by computing the inverse operation. Show all work for full credit.

$$1) 4\frac{1}{2} - \underline{\hspace{2cm}} = 2\frac{7}{8}$$

$$8 \left[\frac{9}{2} - x = \frac{23}{8} \right]$$

$$36 - 8x = 23$$

$$-8x = -13$$

$$x = \frac{13}{8} \approx 1.625$$

$$2) 8\frac{7}{8} + \underline{\hspace{2cm}} = 13\frac{3}{8}$$

$$8 \left[\frac{71}{8} + x = \frac{107}{8} \right]$$

$$71 + 8x = 107$$

$$8x = 36$$

$$x = \frac{36}{8} \div 4 \left[\frac{9}{2} \right] \approx 4.5$$

$$3) \underline{\hspace{2cm}} + 1\frac{1}{2} = 11$$

$$2 \left[x + \frac{3}{2} = 11 \right]$$

$$2x + 3 = 22$$

$$2x = 19$$

$$x = \frac{19}{2} \approx 9.5$$

$$4) 7\frac{5}{8} - \underline{\hspace{2cm}} = 5\frac{3}{8}$$

$$8 \left[\frac{61}{8} - x = \frac{43}{8} \right]$$

$$61 - 8x = 43$$

$$-8x = -18$$

$$x = \frac{18}{8} \approx 2.25$$