Ajouter et soustraire deux fractions mixtes (A)

Nom: _____ Date: _____ Note: _____

Calculez chaque résultat.

1. $9\frac{11}{19} - 3\frac{2}{8}$ = ⸺ − ⸺ = ⸺ − ⸺ = ⸺ = ⸺ = ⸺

Convert ↑   Denominator   Solve   Simplify   Convert ↓

2. $2\frac{1}{3} + 4\frac{1}{7}$ = ⸺ + ⸺ = ⸺ + ⸺ = ⸺ = ⸺

3. $7\frac{2}{15} - 2\frac{1}{2}$ = ⸺ − ⸺ = ⸺ − ⸺ = ⸺ = ⸺

4. $7\frac{1}{2} - 4\frac{5}{7}$ = ⸺ − ⸺ = ⸺ − ⸺ = ⸺ = ⸺

5. $5\frac{5}{9} + 1\frac{5}{8}$ = ⸺ + ⸺ = ⸺ + ⸺ = ⸺ = ⸺

6. $2\frac{1}{6} + 6\frac{1}{5}$ = ⸺ + ⸺ = ⸺ + ⸺ = ⸺ = ⸺

7. $5\frac{2}{6} + 2\frac{10}{11}$ = ⸺ + ⸺ = ⸺ + ⸺ = ⸺ = ⸺ = ⸺

8. $7\frac{10}{11} - 3\frac{2}{8}$ = ⸺ − ⸺ = ⸺ − ⸺ = ⸺ = ⸺ = ⸺

9. $1\frac{2}{4} + 4\frac{2}{3}$ = ⸺ + ⸺ = ⸺ + ⸺ = ⸺ = ⸺ = ⸺

10. $3\frac{4}{5} - 1\frac{1}{4}$ = ⸺ − ⸺ = ⸺ − ⸺ = ⸺ = ⸺

MathsLibres.com

Ajouter et soustraire deux fractions mixtes (A) Réponses

Nom: _____   Date: _____   Note: _____

Calculez chaque résultat.

1. $9\frac{11}{19} - 3\frac{2}{8} = \frac{182}{19} - \frac{26}{8} = \frac{1456}{152} - \frac{494}{152} = \frac{962}{152} = \frac{481}{76} = 6\frac{25}{76}$

2. $2\frac{1}{3} + 4\frac{1}{7} = \frac{7}{3} + \frac{29}{7} = \frac{49}{21} + \frac{87}{21} = \frac{136}{21} = 6\frac{10}{21}$

3. $7\frac{2}{15} - 2\frac{1}{2} = \frac{107}{15} - \frac{5}{2} = \frac{214}{30} - \frac{75}{30} = \frac{139}{30} = 4\frac{19}{30}$

4. $7\frac{1}{2} - 4\frac{5}{7} = \frac{15}{2} - \frac{33}{7} = \frac{105}{14} - \frac{66}{14} = \frac{39}{14} = 2\frac{11}{14}$

5. $5\frac{5}{9} + 1\frac{5}{8} = \frac{50}{9} + \frac{13}{8} = \frac{400}{72} + \frac{117}{72} = \frac{517}{72} = 7\frac{13}{72}$

6. $2\frac{1}{6} + 6\frac{1}{5} = \frac{13}{6} + \frac{31}{5} = \frac{65}{30} + \frac{186}{30} = \frac{251}{30} = 8\frac{11}{30}$

7. $5\frac{2}{6} + 2\frac{10}{11} = \frac{32}{6} + \frac{32}{11} = \frac{352}{66} + \frac{192}{66} = \frac{544}{66} = \frac{272}{33} = 8\frac{8}{33}$

8. $7\frac{10}{11} - 3\frac{2}{8} = \frac{87}{11} - \frac{26}{8} = \frac{696}{88} - \frac{286}{88} = \frac{410}{88} = \frac{205}{44} = 4\frac{29}{44}$

9. $1\frac{2}{4} + 4\frac{2}{3} = \frac{6}{4} + \frac{14}{3} = \frac{18}{12} + \frac{56}{12} = \frac{74}{12} = \frac{37}{6} = 6\frac{1}{6}$

10. $3\frac{4}{5} - 1\frac{1}{4} = \frac{19}{5} - \frac{5}{4} = \frac{76}{20} - \frac{25}{20} = \frac{51}{20} = 2\frac{11}{20}$

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Nom: _____   Date: _____   Note: _____

Calculez chaque résultat.

1. $6\dfrac{2}{5} - 2\dfrac{2}{6}$ = ⎯ − ⎯ = ⎯ − ⎯ = ⎯ = ⎯

2. $2\dfrac{4}{7} + 5\dfrac{4}{9}$ = ⎯ + ⎯ = ⎯ + ⎯ = ⎯ = ⎯

3. $9\dfrac{5}{17} - 5\dfrac{4}{6}$ = ⎯ − ⎯ = ⎯ − ⎯ = ⎯ = ⎯ = ⎯

4. $6\dfrac{2}{4} - 4\dfrac{3}{13}$ = ⎯ − ⎯ = ⎯ − ⎯ = ⎯ = ⎯ = ⎯

5. $1\dfrac{3}{6} + 3\dfrac{2}{5}$ = ⎯ + ⎯ = ⎯ + ⎯ = ⎯ = ⎯ = ⎯

6. $7\dfrac{7}{11} - 4\dfrac{5}{7}$ = ⎯ − ⎯ = ⎯ − ⎯ = ⎯ = ⎯

7. $2\dfrac{5}{7} + 3\dfrac{1}{2}$ = ⎯ + ⎯ = ⎯ + ⎯ = ⎯ = ⎯

8. $1\dfrac{2}{5} + 4\dfrac{6}{7}$ = ⎯ + ⎯ = ⎯ + ⎯ = ⎯ = ⎯

9. $7\dfrac{1}{2} + 1\dfrac{1}{5}$ = ⎯ + ⎯ = ⎯ + ⎯ = ⎯ = ⎯

10. $7\dfrac{4}{9} - 3\dfrac{9}{17}$ = ⎯ − ⎯ = ⎯ − ⎯ = ⎯ = ⎯

Nom: _____ Date: _____ Note: _____

Calculez chaque résultat.

1. $6\dfrac{2}{5} - 2\dfrac{2}{6} = \dfrac{32}{5} - \dfrac{14}{6} = \dfrac{192}{30} - \dfrac{70}{30} = \dfrac{122}{30} = \dfrac{61}{15} = 4\dfrac{1}{15}$

2. $2\dfrac{4}{7} + 5\dfrac{4}{9} = \dfrac{18}{7} + \dfrac{49}{9} = \dfrac{162}{63} + \dfrac{343}{63} = \dfrac{505}{63} = 8\dfrac{1}{63}$

3. $9\dfrac{5}{17} - 5\dfrac{4}{6} = \dfrac{158}{17} - \dfrac{34}{6} = \dfrac{948}{102} - \dfrac{578}{102} = \dfrac{370}{102} = \dfrac{185}{51} = 3\dfrac{32}{51}$

4. $6\dfrac{2}{4} - 4\dfrac{3}{13} = \dfrac{26}{4} - \dfrac{55}{13} = \dfrac{338}{52} - \dfrac{220}{52} = \dfrac{118}{52} = \dfrac{59}{26} = 2\dfrac{7}{26}$

5. $1\dfrac{3}{6} + 3\dfrac{2}{5} = \dfrac{9}{6} + \dfrac{17}{5} = \dfrac{45}{30} + \dfrac{102}{30} = \dfrac{147}{30} = \dfrac{49}{10} = 4\dfrac{9}{10}$

6. $7\dfrac{7}{11} - 4\dfrac{5}{7} = \dfrac{84}{11} - \dfrac{33}{7} = \dfrac{588}{77} - \dfrac{363}{77} = \dfrac{225}{77} = 2\dfrac{71}{77}$

7. $2\dfrac{5}{7} + 3\dfrac{1}{2} = \dfrac{19}{7} + \dfrac{7}{2} = \dfrac{38}{14} + \dfrac{49}{14} = \dfrac{87}{14} = 6\dfrac{3}{14}$

8. $1\dfrac{2}{5} + 4\dfrac{6}{7} = \dfrac{7}{5} + \dfrac{34}{7} = \dfrac{49}{35} + \dfrac{170}{35} = \dfrac{219}{35} = 6\dfrac{9}{35}$

9. $7\dfrac{1}{2} + 1\dfrac{1}{5} = \dfrac{15}{2} + \dfrac{6}{5} = \dfrac{75}{10} + \dfrac{12}{10} = \dfrac{87}{10} = 8\dfrac{7}{10}$

10. $7\dfrac{4}{9} - 3\dfrac{9}{17} = \dfrac{67}{9} - \dfrac{60}{17} = \dfrac{1139}{153} - \dfrac{540}{153} = \dfrac{599}{153} = 3\dfrac{140}{153}$

Nom: _____　　　Date: _____　　　Note: _____

Calculez chaque résultat.

1.　$1\dfrac{3}{6} + 2\dfrac{2}{7}$ = —— + —— = —— + —— = —— = —— = ——

2.　$6\dfrac{5}{8} - 2\dfrac{5}{7}$ = —— - —— = —— - —— = —— = ——

3.　$1\dfrac{5}{8} + 4\dfrac{4}{9}$ = —— + —— = —— + —— = —— = ——

4.　$5\dfrac{6}{9} + 1\dfrac{9}{10}$ = —— + —— = —— + —— = —— = —— = ——

5.　$2\dfrac{4}{7} + 5\dfrac{7}{8}$ = —— + —— = —— + —— = —— = ——

6.　$1\dfrac{7}{9} + 1\dfrac{3}{7}$ = —— + —— = —— + —— = —— = ——

7.　$5\dfrac{2}{7} - 3\dfrac{3}{4}$ = —— - —— = —— - —— = —— = ——

8.　$3\dfrac{10}{13} - 1\dfrac{3}{6}$ = —— - —— = —— - —— = —— = —— = ——

9.　$7\dfrac{1}{2} - 5\dfrac{4}{17}$ = —— - —— = —— - —— = —— = ——

10.　$8\dfrac{11}{20} - 7\dfrac{1}{7}$ = —— - —— = —— - —— = —— = ——

Nom: _____

Date: _____

Note: _____

Calculez chaque résultat.

1. $1\dfrac{3}{6} + 2\dfrac{2}{7} = \dfrac{9}{6} + \dfrac{16}{7} = \dfrac{63}{42} + \dfrac{96}{42} = \dfrac{159}{42} = \dfrac{53}{14} = 3\dfrac{11}{14}$

2. $6\dfrac{5}{8} - 2\dfrac{5}{7} = \dfrac{53}{8} - \dfrac{19}{7} = \dfrac{371}{56} - \dfrac{152}{56} = \dfrac{219}{56} = 3\dfrac{51}{56}$

3. $1\dfrac{5}{8} + 4\dfrac{4}{9} = \dfrac{13}{8} + \dfrac{40}{9} = \dfrac{117}{72} + \dfrac{320}{72} = \dfrac{437}{72} = 6\dfrac{5}{72}$

4. $5\dfrac{6}{9} + 1\dfrac{9}{10} = \dfrac{51}{9} + \dfrac{19}{10} = \dfrac{510}{90} + \dfrac{171}{90} = \dfrac{681}{90} = \dfrac{227}{30} = 7\dfrac{17}{30}$

5. $2\dfrac{4}{7} + 5\dfrac{7}{8} = \dfrac{18}{7} + \dfrac{47}{8} = \dfrac{144}{56} + \dfrac{329}{56} = \dfrac{473}{56} = 8\dfrac{25}{56}$

6. $1\dfrac{7}{9} + 1\dfrac{3}{7} = \dfrac{16}{9} + \dfrac{10}{7} = \dfrac{112}{63} + \dfrac{90}{63} = \dfrac{202}{63} = 3\dfrac{13}{63}$

7. $5\dfrac{2}{7} - 3\dfrac{3}{4} = \dfrac{37}{7} - \dfrac{15}{4} = \dfrac{148}{28} - \dfrac{105}{28} = \dfrac{43}{28} = 1\dfrac{15}{28}$

8. $3\dfrac{10}{13} - 1\dfrac{3}{6} = \dfrac{49}{13} - \dfrac{9}{6} = \dfrac{294}{78} - \dfrac{117}{78} = \dfrac{177}{78} = \dfrac{59}{26} = 2\dfrac{7}{26}$

9. $7\dfrac{1}{2} - 5\dfrac{4}{17} = \dfrac{15}{2} - \dfrac{89}{17} = \dfrac{255}{34} - \dfrac{178}{34} = \dfrac{77}{34} = 2\dfrac{9}{34}$

10. $8\dfrac{11}{20} - 7\dfrac{1}{7} = \dfrac{171}{20} - \dfrac{50}{7} = \dfrac{1197}{140} - \dfrac{1000}{140} = \dfrac{197}{140} = 1\dfrac{57}{140}$

Ajouter et soustraire deux fractions mixtes (D)

Nom: _____   Date: _____   Note: _____

Calculez chaque résultat.

1. $1\dfrac{2}{4} + 2\dfrac{2}{17}$ = —— + —— = —— + —— = —— = —— = ——

2. $9\dfrac{4}{5} - 5\dfrac{2}{4}$ = —— - —— = —— - —— = —— = —— = ——

3. $1\dfrac{6}{8} + 4\dfrac{6}{7}$ = —— + —— = —— + —— = —— = —— = ——

4. $4\dfrac{2}{4} + 4\dfrac{4}{9}$ = —— + —— = —— + —— = —— = —— = ——

5. $6\dfrac{1}{3} + 2\dfrac{1}{7}$ = —— + —— = —— + —— = —— = ——

6. $1\dfrac{5}{7} + 4\dfrac{13}{15}$ = —— + —— = —— + —— = —— = ——

7. $6\dfrac{1}{2} - 3\dfrac{2}{15}$ = —— - —— = —— - —— = —— = ——

8. $6\dfrac{10}{11} - 2\dfrac{3}{5}$ = —— - —— = —— - —— = —— = ——

9. $8\dfrac{1}{2} - 4\dfrac{2}{9}$ = —— - —— = —— - —— = —— = ——

10. $9\dfrac{1}{3} - 7\dfrac{9}{14}$ = —— - —— = —— - —— = —— = ——

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Nom: _____　　　Date: _____　　　Note: _____

Calculez chaque résultat.

1. $1\dfrac{2}{4} + 2\dfrac{2}{17} = \dfrac{6}{4} + \dfrac{36}{17} = \dfrac{102}{68} + \dfrac{144}{68} = \dfrac{246}{68} = \dfrac{123}{34} = 3\dfrac{21}{34}$

2. $9\dfrac{4}{5} - 5\dfrac{2}{4} = \dfrac{49}{5} - \dfrac{22}{4} = \dfrac{196}{20} - \dfrac{110}{20} = \dfrac{86}{20} = \dfrac{43}{10} = 4\dfrac{3}{10}$

3. $1\dfrac{6}{8} + 4\dfrac{6}{7} = \dfrac{14}{8} + \dfrac{34}{7} = \dfrac{98}{56} + \dfrac{272}{56} = \dfrac{370}{56} = \dfrac{185}{28} = 6\dfrac{17}{28}$

4. $4\dfrac{2}{4} + 4\dfrac{4}{9} = \dfrac{18}{4} + \dfrac{40}{9} = \dfrac{162}{36} + \dfrac{160}{36} = \dfrac{322}{36} = \dfrac{161}{18} = 8\dfrac{17}{18}$

5. $6\dfrac{1}{3} + 2\dfrac{1}{7} = \dfrac{19}{3} + \dfrac{15}{7} = \dfrac{133}{21} + \dfrac{45}{21} = \dfrac{178}{21} = 8\dfrac{10}{21}$

6. $1\dfrac{5}{7} + 4\dfrac{13}{15} = \dfrac{12}{7} + \dfrac{73}{15} = \dfrac{180}{105} + \dfrac{511}{105} = \dfrac{691}{105} = 6\dfrac{61}{105}$

7. $6\dfrac{1}{2} - 3\dfrac{2}{15} = \dfrac{13}{2} - \dfrac{47}{15} = \dfrac{195}{30} - \dfrac{94}{30} = \dfrac{101}{30} = 3\dfrac{11}{30}$

8. $6\dfrac{10}{11} - 2\dfrac{3}{5} = \dfrac{76}{11} - \dfrac{13}{5} = \dfrac{380}{55} - \dfrac{143}{55} = \dfrac{237}{55} = 4\dfrac{17}{55}$

9. $8\dfrac{1}{2} - 4\dfrac{2}{9} = \dfrac{17}{2} - \dfrac{38}{9} = \dfrac{153}{18} - \dfrac{76}{18} = \dfrac{77}{18} = 4\dfrac{5}{18}$

10. $9\dfrac{1}{3} - 7\dfrac{9}{14} = \dfrac{28}{3} - \dfrac{107}{14} = \dfrac{392}{42} - \dfrac{321}{42} = \dfrac{71}{42} = 1\dfrac{29}{42}$

Ajouter et soustraire deux fractions mixtes (E)

Nom: _____ Date: _____ Note: _____

Calculez chaque résultat.

1. $4\dfrac{1}{5} + 3\dfrac{12}{16}$ = —— + —— = —— + —— = —— = —— = ——

2. $4\dfrac{2}{8} - 1\dfrac{7}{13}$ = —— - —— = —— - —— = —— = —— = ——

3. $2\dfrac{4}{5} + 5\dfrac{3}{6}$ = —— + —— = —— + —— = —— = —— = ——

4. $8\dfrac{2}{11} - 3\dfrac{5}{6}$ = —— - —— = —— - —— = —— = ——

5. $8\dfrac{2}{5} - 3\dfrac{3}{8}$ = —— - —— = —— - —— = —— = ——

6. $5\dfrac{3}{9} - 1\dfrac{6}{20}$ = —— - —— = —— - —— = —— = —— = ——

7. $4\dfrac{3}{4} + 2\dfrac{3}{7}$ = —— + —— = —— + —— = —— = ——

8. $2\dfrac{1}{9} + 5\dfrac{2}{8}$ = —— + —— = —— + —— = —— = —— = ——

9. $7\dfrac{3}{5} - 3\dfrac{3}{6}$ = —— - —— = —— - —— = —— = —— = ——

10. $3\dfrac{2}{3} + 1\dfrac{2}{5}$ = —— + —— = —— + —— = —— = ——

Ajouter et soustraire deux fractions mixtes (E) Réponses

Nom: _____ Date: _____ Note: _____

Calculez chaque résultat.

1. $4\frac{1}{5} + 3\frac{12}{16} = \frac{21}{5} + \frac{60}{16} = \frac{336}{80} + \frac{300}{80} = \frac{636}{80} = \frac{159}{20} = 7\frac{19}{20}$

2. $4\frac{2}{8} - 1\frac{7}{13} = \frac{34}{8} - \frac{20}{13} = \frac{442}{104} - \frac{160}{104} = \frac{282}{104} = \frac{141}{52} = 2\frac{37}{52}$

3. $2\frac{4}{5} + 5\frac{3}{6} = \frac{14}{5} + \frac{33}{6} = \frac{84}{30} + \frac{165}{30} = \frac{249}{30} = \frac{83}{10} = 8\frac{3}{10}$

4. $8\frac{2}{11} - 3\frac{5}{6} = \frac{90}{11} - \frac{23}{6} = \frac{540}{66} - \frac{253}{66} = \frac{287}{66} = 4\frac{23}{66}$

5. $8\frac{2}{5} - 3\frac{3}{8} = \frac{42}{5} - \frac{27}{8} = \frac{336}{40} - \frac{135}{40} = \frac{201}{40} = 5\frac{1}{40}$

6. $5\frac{3}{9} - 1\frac{6}{20} = \frac{48}{9} - \frac{26}{20} = \frac{960}{180} - \frac{234}{180} = \frac{726}{180} = \frac{121}{30} = 4\frac{1}{30}$

7. $4\frac{3}{4} + 2\frac{3}{7} = \frac{19}{4} + \frac{17}{7} = \frac{133}{28} + \frac{68}{28} = \frac{201}{28} = 7\frac{5}{28}$

8. $2\frac{1}{9} + 5\frac{2}{8} = \frac{19}{9} + \frac{42}{8} = \frac{152}{72} + \frac{378}{72} = \frac{530}{72} = \frac{265}{36} = 7\frac{13}{36}$

9. $7\frac{3}{5} - 3\frac{3}{6} = \frac{38}{5} - \frac{21}{6} = \frac{228}{30} - \frac{105}{30} = \frac{123}{30} = \frac{41}{10} = 4\frac{1}{10}$

10. $3\frac{2}{3} + 1\frac{2}{5} = \frac{11}{3} + \frac{7}{5} = \frac{55}{15} + \frac{21}{15} = \frac{76}{15} = 5\frac{1}{15}$

Ajouter et soustraire deux fractions mixtes (F)

Nom: _____ Date: _____ Note: _____

Calculez chaque résultat.

1. $4\dfrac{18}{20} - 2\dfrac{4}{9} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

2. $4\dfrac{1}{15} - 2\dfrac{2}{4} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

3. $3\dfrac{1}{7} + 4\dfrac{3}{15} = \underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

4. $6\dfrac{10}{11} - 4\dfrac{3}{6} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

5. $6\dfrac{1}{6} - 3\dfrac{5}{7} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

6. $9\dfrac{3}{8} - 6\dfrac{2}{5} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

7. $5\dfrac{3}{6} + 3\dfrac{2}{13} = \underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

8. $3\dfrac{3}{5} + 2\dfrac{5}{12} = \underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad} = \underline{\quad} = \underline{\quad}$

9. $3\dfrac{6}{8} + 2\dfrac{6}{15} = \underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

10. $5\dfrac{3}{4} + 3\dfrac{4}{19} = \underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad} = \underline{\quad} = \underline{\quad}$

Nom: _____

Date: _____

Note: _____

Calculez chaque résultat.

1. $4\frac{18}{20} - 2\frac{4}{9} = \frac{98}{20} - \frac{22}{9} = \frac{882}{180} - \frac{440}{180} = \frac{442}{180} = \frac{221}{90} = 2\frac{41}{90}$

2. $4\frac{1}{15} - 2\frac{2}{4} = \frac{61}{15} - \frac{10}{4} = \frac{244}{60} - \frac{150}{60} = \frac{94}{60} = \frac{47}{30} = 1\frac{17}{30}$

3. $3\frac{1}{7} + 4\frac{3}{15} = \frac{22}{7} + \frac{63}{15} = \frac{330}{105} + \frac{441}{105} = \frac{771}{105} = \frac{257}{35} = 7\frac{12}{35}$

4. $6\frac{10}{11} - 4\frac{3}{6} = \frac{76}{11} - \frac{27}{6} = \frac{456}{66} - \frac{297}{66} = \frac{159}{66} = \frac{53}{22} = 2\frac{9}{22}$

5. $6\frac{1}{6} - 3\frac{5}{7} = \frac{37}{6} - \frac{26}{7} = \frac{259}{42} - \frac{156}{42} = \frac{103}{42} = 2\frac{19}{42}$

6. $9\frac{3}{8} - 6\frac{2}{5} = \frac{75}{8} - \frac{32}{5} = \frac{375}{40} - \frac{256}{40} = \frac{119}{40} = 2\frac{39}{40}$

7. $5\frac{3}{6} + 3\frac{2}{13} = \frac{33}{6} + \frac{41}{13} = \frac{429}{78} + \frac{246}{78} = \frac{675}{78} = \frac{225}{26} = 8\frac{17}{26}$

8. $3\frac{3}{5} + 2\frac{5}{12} = \frac{18}{5} + \frac{29}{12} = \frac{216}{60} + \frac{145}{60} = \frac{361}{60} = 6\frac{1}{60}$

9. $3\frac{6}{8} + 2\frac{6}{15} = \frac{30}{8} + \frac{36}{15} = \frac{450}{120} + \frac{288}{120} = \frac{738}{120} = \frac{123}{20} = 6\frac{3}{20}$

10. $5\frac{3}{4} + 3\frac{4}{19} = \frac{23}{4} + \frac{61}{19} = \frac{437}{76} + \frac{244}{76} = \frac{681}{76} = 8\frac{73}{76}$

Ajouter et soustraire deux fractions mixtes (G)

Nom: _____   Date: _____   Note: _____

Calculez chaque résultat.

1. $7\dfrac{9}{19} - 3\dfrac{4}{8}$ = —— − —— = —— − —— = —— = —— = ——

2. $6\dfrac{1}{2} - 3\dfrac{3}{9}$ = —— − —— = —— − —— = —— = —— = ——

3. $4\dfrac{4}{5} + 3\dfrac{18}{19}$ = —— + —— = —— + —— = —— = ——

4. $9\dfrac{1}{3} - 2\dfrac{3}{8}$ = —— − —— = —— − —— = —— = ——

5. $3\dfrac{2}{5} + 4\dfrac{13}{17}$ = —— + —— = —— + —— = —— = ——

6. $5\dfrac{3}{6} - 2\dfrac{1}{5}$ = —— − —— = —— − —— = —— = —— = ——

7. $8\dfrac{10}{19} - 2\dfrac{3}{4}$ = —— − —— = —— − —— = —— = ——

8. $4\dfrac{6}{9} + 2\dfrac{12}{16}$ = —— + —— = —— + —— = —— = —— = ——

9. $6\dfrac{4}{5} + 1\dfrac{5}{7}$ = —— + —— = —— + —— = —— = ——

10. $2\dfrac{1}{2} + 1\dfrac{1}{7}$ = —— + —— = —— + —— = —— = ——

MathsLibres.com

Nom: _____

Date: _____

Note: _____

Calculez chaque résultat.

1. $7\dfrac{9}{19} - 3\dfrac{4}{8} = \dfrac{142}{19} - \dfrac{28}{8} = \dfrac{1136}{152} - \dfrac{532}{152} = \dfrac{604}{152} = \dfrac{151}{38} = 3\dfrac{37}{38}$

2. $6\dfrac{1}{2} - 3\dfrac{3}{9} = \dfrac{13}{2} - \dfrac{30}{9} = \dfrac{117}{18} - \dfrac{60}{18} = \dfrac{57}{18} = \dfrac{19}{6} = 3\dfrac{1}{6}$

3. $4\dfrac{4}{5} + 3\dfrac{18}{19} = \dfrac{24}{5} + \dfrac{75}{19} = \dfrac{456}{95} + \dfrac{375}{95} = \dfrac{831}{95} = 8\dfrac{71}{95}$

4. $9\dfrac{1}{3} - 2\dfrac{3}{8} = \dfrac{28}{3} - \dfrac{19}{8} = \dfrac{224}{24} - \dfrac{57}{24} = \dfrac{167}{24} = 6\dfrac{23}{24}$

5. $3\dfrac{2}{5} + 4\dfrac{13}{17} = \dfrac{17}{5} + \dfrac{81}{17} = \dfrac{289}{85} + \dfrac{405}{85} = \dfrac{694}{85} = 8\dfrac{14}{85}$

6. $5\dfrac{3}{6} - 2\dfrac{1}{5} = \dfrac{33}{6} - \dfrac{11}{5} = \dfrac{165}{30} - \dfrac{66}{30} = \dfrac{99}{30} = \dfrac{33}{10} = 3\dfrac{3}{10}$

7. $8\dfrac{10}{19} - 2\dfrac{3}{4} = \dfrac{162}{19} - \dfrac{11}{4} = \dfrac{648}{76} - \dfrac{209}{76} = \dfrac{439}{76} = 5\dfrac{59}{76}$

8. $4\dfrac{6}{9} + 2\dfrac{12}{16} = \dfrac{42}{9} + \dfrac{44}{16} = \dfrac{672}{144} + \dfrac{396}{144} = \dfrac{1068}{144} = \dfrac{89}{12} = 7\dfrac{5}{12}$

9. $6\dfrac{4}{5} + 1\dfrac{5}{7} = \dfrac{34}{5} + \dfrac{12}{7} = \dfrac{238}{35} + \dfrac{60}{35} = \dfrac{298}{35} = 8\dfrac{18}{35}$

10. $2\dfrac{1}{2} + 1\dfrac{1}{7} = \dfrac{5}{2} + \dfrac{8}{7} = \dfrac{35}{14} + \dfrac{16}{14} = \dfrac{51}{14} = 3\dfrac{9}{14}$

Ajouter et soustraire deux fractions mixtes (H)

Nom: _____ Date: _____ Note: _____

Calculez chaque résultat.

1. $8\dfrac{3}{17} - 3\dfrac{4}{6}$ = ⎯ − ⎯ = ⎯ − ⎯ = ⎯ = ⎯ = ⎯

2. $5\dfrac{7}{10} - 2\dfrac{6}{7}$ = ⎯ − ⎯ = ⎯ − ⎯ = ⎯ = ⎯

3. $9\dfrac{1}{4} - 6\dfrac{2}{5}$ = ⎯ − ⎯ = ⎯ − ⎯ = ⎯ = ⎯

4. $7\dfrac{8}{9} - 1\dfrac{3}{10}$ = ⎯ − ⎯ = ⎯ − ⎯ = ⎯ = ⎯

5. $9\dfrac{11}{12} - 1\dfrac{6}{7}$ = ⎯ − ⎯ = ⎯ − ⎯ = ⎯ = ⎯

6. $6\dfrac{2}{5} + 1\dfrac{3}{6}$ = ⎯ + ⎯ = ⎯ + ⎯ = ⎯ = ⎯ = ⎯

7. $1\dfrac{2}{3} + 6\dfrac{15}{17}$ = ⎯ + ⎯ = ⎯ + ⎯ = ⎯ = ⎯

8. $5\dfrac{2}{7} + 1\dfrac{2}{4}$ = ⎯ + ⎯ = ⎯ + ⎯ = ⎯ = ⎯ = ⎯

9. $4\dfrac{3}{9} + 2\dfrac{1}{8}$ = ⎯ + ⎯ = ⎯ + ⎯ = ⎯ = ⎯ = ⎯

10. $4\dfrac{1}{2} + 4\dfrac{5}{13}$ = ⎯ + ⎯ = ⎯ + ⎯ = ⎯ = ⎯

Nom: _____ Date: _____ Note: _____

Calculez chaque résultat.

1. $8\dfrac{3}{17} - 3\dfrac{4}{6} = \dfrac{139}{17} - \dfrac{22}{6} = \dfrac{834}{102} - \dfrac{374}{102} = \dfrac{460}{102} = \dfrac{230}{51} = 4\dfrac{26}{51}$

2. $5\dfrac{7}{10} - 2\dfrac{6}{7} = \dfrac{57}{10} - \dfrac{20}{7} = \dfrac{399}{70} - \dfrac{200}{70} = \dfrac{199}{70} = 2\dfrac{59}{70}$

3. $9\dfrac{1}{4} - 6\dfrac{2}{5} = \dfrac{37}{4} - \dfrac{32}{5} = \dfrac{185}{20} - \dfrac{128}{20} = \dfrac{57}{20} = 2\dfrac{17}{20}$

4. $7\dfrac{8}{9} - 1\dfrac{3}{10} = \dfrac{71}{9} - \dfrac{13}{10} = \dfrac{710}{90} - \dfrac{117}{90} = \dfrac{593}{90} = 6\dfrac{53}{90}$

5. $9\dfrac{11}{12} - 1\dfrac{6}{7} = \dfrac{119}{12} - \dfrac{13}{7} = \dfrac{833}{84} - \dfrac{156}{84} = \dfrac{677}{84} = 8\dfrac{5}{84}$

6. $6\dfrac{2}{5} + 1\dfrac{3}{6} = \dfrac{32}{5} + \dfrac{9}{6} = \dfrac{192}{30} + \dfrac{45}{30} = \dfrac{237}{30} = \dfrac{79}{10} = 7\dfrac{9}{10}$

7. $1\dfrac{2}{3} + 6\dfrac{15}{17} = \dfrac{5}{3} + \dfrac{117}{17} = \dfrac{85}{51} + \dfrac{351}{51} = \dfrac{436}{51} = 8\dfrac{28}{51}$

8. $5\dfrac{2}{7} + 1\dfrac{2}{4} = \dfrac{37}{7} + \dfrac{6}{4} = \dfrac{148}{28} + \dfrac{42}{28} = \dfrac{190}{28} = \dfrac{95}{14} = 6\dfrac{11}{14}$

9. $4\dfrac{3}{9} + 2\dfrac{1}{8} = \dfrac{39}{9} + \dfrac{17}{8} = \dfrac{312}{72} + \dfrac{153}{72} = \dfrac{465}{72} = \dfrac{155}{24} = 6\dfrac{11}{24}$

10. $4\dfrac{1}{2} + 4\dfrac{5}{13} = \dfrac{9}{2} + \dfrac{57}{13} = \dfrac{117}{26} + \dfrac{114}{26} = \dfrac{231}{26} = 8\dfrac{23}{26}$

Nom: _____   Date: _____   Note: _____

Calculez chaque résultat.

1. $7\frac{2}{9} - 2\frac{2}{8}$ = $\frac{\quad}{\quad} - \frac{\quad}{\quad}$ = $\frac{\quad}{\quad} - \frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$

2. $1\frac{1}{9} + 3\frac{4}{7}$ = $\frac{\quad}{\quad} + \frac{\quad}{\quad}$ = $\frac{\quad}{\quad} + \frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$

3. $1\frac{1}{3} + 4\frac{12}{16}$ = $\frac{\quad}{\quad} + \frac{\quad}{\quad}$ = $\frac{\quad}{\quad} + \frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$

4. $7\frac{11}{15} - 2\frac{3}{4}$ = $\frac{\quad}{\quad} - \frac{\quad}{\quad}$ = $\frac{\quad}{\quad} - \frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$

5. $8\frac{2}{3} - 6\frac{3}{4}$ = $\frac{\quad}{\quad} - \frac{\quad}{\quad}$ = $\frac{\quad}{\quad} - \frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$

6. $8\frac{1}{3} - 2\frac{2}{8}$ = $\frac{\quad}{\quad} - \frac{\quad}{\quad}$ = $\frac{\quad}{\quad} - \frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$

7. $4\frac{4}{8} + 2\frac{14}{15}$ = $\frac{\quad}{\quad} + \frac{\quad}{\quad}$ = $\frac{\quad}{\quad} + \frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$

8. $9\frac{7}{9} - 8\frac{2}{8}$ = $\frac{\quad}{\quad} - \frac{\quad}{\quad}$ = $\frac{\quad}{\quad} - \frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$

9. $4\frac{2}{3} + 4\frac{1}{10}$ = $\frac{\quad}{\quad} + \frac{\quad}{\quad}$ = $\frac{\quad}{\quad} + \frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$

10. $2\frac{2}{3} + 4\frac{3}{17}$ = $\frac{\quad}{\quad} + \frac{\quad}{\quad}$ = $\frac{\quad}{\quad} + \frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$ = $\frac{\quad}{\quad}$

Nom: _____

Date: _____

Note: _____

Calculez chaque résultat.

1. $7\dfrac{2}{9} - 2\dfrac{2}{8} = \dfrac{65}{9} - \dfrac{18}{8} = \dfrac{520}{72} - \dfrac{162}{72} = \dfrac{358}{72} = \dfrac{179}{36} = 4\dfrac{35}{36}$

2. $1\dfrac{1}{9} + 3\dfrac{4}{7} = \dfrac{10}{9} + \dfrac{25}{7} = \dfrac{70}{63} + \dfrac{225}{63} = \dfrac{295}{63} = 4\dfrac{43}{63}$

3. $1\dfrac{1}{3} + 4\dfrac{12}{16} = \dfrac{4}{3} + \dfrac{76}{16} = \dfrac{64}{48} + \dfrac{228}{48} = \dfrac{292}{48} = \dfrac{73}{12} = 6\dfrac{1}{12}$

4. $7\dfrac{11}{15} - 2\dfrac{3}{4} = \dfrac{116}{15} - \dfrac{11}{4} = \dfrac{464}{60} - \dfrac{165}{60} = \dfrac{299}{60} = 4\dfrac{59}{60}$

5. $8\dfrac{2}{3} - 6\dfrac{3}{4} = \dfrac{26}{3} - \dfrac{27}{4} = \dfrac{104}{12} - \dfrac{81}{12} = \dfrac{23}{12} = 1\dfrac{11}{12}$

6. $8\dfrac{1}{3} - 2\dfrac{2}{8} = \dfrac{25}{3} - \dfrac{18}{8} = \dfrac{200}{24} - \dfrac{54}{24} = \dfrac{146}{24} = \dfrac{73}{12} = 6\dfrac{1}{12}$

7. $4\dfrac{4}{8} + 2\dfrac{14}{15} = \dfrac{36}{8} + \dfrac{44}{15} = \dfrac{540}{120} + \dfrac{352}{120} = \dfrac{892}{120} = \dfrac{223}{30} = 7\dfrac{13}{30}$

8. $9\dfrac{7}{9} - 8\dfrac{2}{8} = \dfrac{88}{9} - \dfrac{66}{8} = \dfrac{704}{72} - \dfrac{594}{72} = \dfrac{110}{72} = \dfrac{55}{36} = 1\dfrac{19}{36}$

9. $4\dfrac{2}{3} + 4\dfrac{1}{10} = \dfrac{14}{3} + \dfrac{41}{10} = \dfrac{140}{30} + \dfrac{123}{30} = \dfrac{263}{30} = 8\dfrac{23}{30}$

10. $2\dfrac{2}{3} + 4\dfrac{3}{17} = \dfrac{8}{3} + \dfrac{71}{17} = \dfrac{136}{51} + \dfrac{213}{51} = \dfrac{349}{51} = 6\dfrac{43}{51}$

Ajouter et soustraire deux fractions mixtes (J)

Nom: _____ Date: _____ Note: _____

Calculez chaque résultat.

1. $3\dfrac{2}{4} + 4\dfrac{1}{7}$ = —— + —— = —— + —— = —— = —— = ——

2. $4\dfrac{3}{7} + 4\dfrac{7}{18}$ = —— + —— = —— + —— = —— = ——

3. $1\dfrac{3}{7} + 4\dfrac{4}{6}$ = —— + —— = —— + —— = —— = —— = ——

4. $5\dfrac{3}{8} + 2\dfrac{5}{9}$ = —— + —— = —— + —— = —— = ——

5. $7\dfrac{3}{8} - 5\dfrac{4}{11}$ = —— – —— = —— – —— = —— = ——

6. $1\dfrac{4}{7} + 6\dfrac{15}{16}$ = —— + —— = —— + —— = —— = ——

7. $7\dfrac{4}{7} - 2\dfrac{1}{9}$ = —— – —— = —— – —— = —— = ——

8. $8\dfrac{2}{3} - 5\dfrac{6}{17}$ = —— – —— = —— – —— = —— = ——

9. $9\dfrac{5}{8} - 5\dfrac{1}{17}$ = —— – —— = —— – —— = —— = ——

10. $7\dfrac{5}{6} - 2\dfrac{18}{19}$ = —— – —— = —— – —— = —— = ——

Nom: _____

Date: _____

Note: _____

Calculez chaque résultat.

1. $3\frac{2}{4} + 4\frac{1}{7} = \frac{14}{4} + \frac{29}{7} = \frac{98}{28} + \frac{116}{28} = \frac{214}{28} = \frac{107}{14} = 7\frac{9}{14}$

2. $4\frac{3}{7} + 4\frac{7}{18} = \frac{31}{7} + \frac{79}{18} = \frac{558}{126} + \frac{553}{126} = \frac{1111}{126} = 8\frac{103}{126}$

3. $1\frac{3}{7} + 4\frac{4}{6} = \frac{10}{7} + \frac{28}{6} = \frac{60}{42} + \frac{196}{42} = \frac{256}{42} = \frac{128}{21} = 6\frac{2}{21}$

4. $5\frac{3}{8} + 2\frac{5}{9} = \frac{43}{8} + \frac{23}{9} = \frac{387}{72} + \frac{184}{72} = \frac{571}{72} = 7\frac{67}{72}$

5. $7\frac{3}{8} - 5\frac{4}{11} = \frac{59}{8} - \frac{59}{11} = \frac{649}{88} - \frac{472}{88} = \frac{177}{88} = 2\frac{1}{88}$

6. $1\frac{4}{7} + 6\frac{15}{16} = \frac{11}{7} + \frac{111}{16} = \frac{176}{112} + \frac{777}{112} = \frac{953}{112} = 8\frac{57}{112}$

7. $7\frac{4}{7} - 2\frac{1}{9} = \frac{53}{7} - \frac{19}{9} = \frac{477}{63} - \frac{133}{63} = \frac{344}{63} = 5\frac{29}{63}$

8. $8\frac{2}{3} - 5\frac{6}{17} = \frac{26}{3} - \frac{91}{17} = \frac{442}{51} - \frac{273}{51} = \frac{169}{51} = 3\frac{16}{51}$

9. $9\frac{5}{8} - 5\frac{1}{17} = \frac{77}{8} - \frac{86}{17} = \frac{1309}{136} - \frac{688}{136} = \frac{621}{136} = 4\frac{77}{136}$

10. $7\frac{5}{6} - 2\frac{18}{19} = \frac{47}{6} - \frac{56}{19} = \frac{893}{114} - \frac{336}{114} = \frac{557}{114} = 4\frac{101}{114}$