Name : _____ Fractions 1: + –

Adding Fractions

1) $\frac{2}{6} + \frac{2}{3} =$

2) $\frac{1}{4} + \frac{3}{16} =$

3) $\frac{1}{3} + \frac{6}{8} =$

4) $\frac{1}{28} + \frac{3}{4} =$

5) $\frac{2}{9} + \frac{1}{3} =$

6) $\frac{2}{22} + \frac{2}{11} =$

7) $\frac{5}{26} + \frac{11}{13} =$

8) $\frac{8}{9} + \frac{5}{27} =$

9) $\frac{2}{8} + \frac{1}{4} =$

10) $\frac{11}{21} + \frac{4}{7} =$

11) $\frac{6}{16} + \frac{2}{4} =$

12) $\frac{6}{15} + \frac{3}{10} =$

13) $\frac{4}{7} + \frac{1}{14} =$

14) $\frac{4}{8} + \frac{1}{24} =$

15) $\frac{5}{10} + \frac{8}{15} =$

Subtracting Fractions

1) $\frac{8}{14} - \frac{3}{7} =$

2) $\frac{4}{6} - \frac{9}{18} =$

3) $\frac{6}{7} - \frac{11}{21} =$

4) $\frac{7}{11} - \frac{4}{22} =$

5) $\frac{6}{7} - \frac{1}{14} =$

6) $\frac{2}{4} - \frac{2}{20} =$

7) $\frac{5}{28} - \frac{1}{7} =$

8) $\frac{2}{3} - \frac{3}{6} =$

9) $\frac{6}{7} - \frac{4}{21} =$

10) $\frac{3}{7} - \frac{5}{28} =$

11) $\frac{4}{7} - \frac{9}{21} =$

12) $\frac{3}{7} - \frac{6}{14} =$

13) $\frac{1}{3} - \frac{6}{18} =$

14) $\frac{2}{3} - \frac{2}{12} =$

15) $\frac{6}{8} - \frac{3}{4} =$

Name : _____

Fractions 2: + – mixed numbers

Adding Mixed Numbers

1) $1\frac{3}{24} + 8\frac{1}{8} =$

2) $2\frac{7}{9} + 5\frac{8}{27} =$

3) $3\frac{9}{30} + 4\frac{2}{6} =$

4) $6\frac{2}{7} + 7\frac{1}{14} =$

5) $1\frac{2}{11} + 9\frac{11}{22} =$

6) $6\frac{12}{30} + 4\frac{4}{5} =$

7) $1\frac{10}{16} + 7\frac{6}{8} =$

8) $5\frac{3}{21} + 9\frac{5}{7} =$

9) $4\frac{9}{22} + 5\frac{8}{11} =$

10) $3\frac{10}{26} + 8\frac{12}{13} =$

11) $3\frac{8}{9} + 6\frac{3}{27} =$

12) $3\frac{8}{22} + 5\frac{6}{11} =$

13) $3\frac{3}{4} + 9\frac{7}{10} =$

14) $1\frac{2}{7} + 6\frac{6}{14} =$

15) $5\frac{2}{16} + 9\frac{3}{4} =$

Subtracting Mixed Numbers

1) $7\frac{3}{20} - 1\frac{4}{5} =$

2) $9\frac{2}{6} - 3\frac{7}{15} =$

3) $8\frac{3}{26} - 2\frac{9}{13} =$

4) $9\frac{1}{3} - 3\frac{6}{8} =$

5) $9\frac{1}{5} - 3\frac{5}{10} =$

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

7) $5\frac{6}{21} - 2\frac{5}{7} =$

8) $9\frac{1}{11} - 2\frac{9}{22} =$

9) $9\frac{9}{27} - 4\frac{8}{9} =$

10) $9\frac{2}{3} - 1\frac{3}{4} =$

11) $6\frac{3}{7} - 1\frac{12}{14} =$

12) $7\frac{2}{28} - 3\frac{2}{14} =$

13) $5\frac{4}{6} - 3\frac{2}{3} =$

14) $7\frac{1}{7} - 4\frac{12}{14} =$

15) $7\frac{11}{24} - 2\frac{8}{12} =$

Name : _____

Fractions 3: ×

Multiplying Fractions

1) $\frac{3}{20} \times \frac{7}{10} =$

2) $\frac{4}{6} \times \frac{2}{4} =$

3) $\frac{4}{9} \times \frac{4}{7} =$

4) $\frac{5}{16} \times \frac{3}{6} =$

5) $\frac{3}{5} \times \frac{2}{14} =$

6) $\frac{6}{8} \times \frac{2}{3} =$

7) $\frac{5}{14} \times \frac{2}{7} =$

8) $\frac{7}{18} \times \frac{6}{7} =$

9) $\frac{3}{6} \times \frac{8}{9} =$

10) $\frac{1}{5} \times \frac{2}{9} =$

11) $\frac{4}{6} \times \frac{8}{20} =$

12) $\frac{3}{4} \times \frac{9}{16} =$

13) $\frac{2}{3} \times \frac{5}{9} =$

14) $\frac{5}{12} \times \frac{6}{14} =$

15) $\frac{2}{4} \times \frac{3}{5} =$

Multiplying Fractions with Cross Canceling

1) $\frac{1}{15} \times \frac{26}{28} =$

2) $\frac{13}{21} \times \frac{5}{14} =$

3) $\frac{3}{12} \times \frac{1}{4} =$

4) $\frac{2}{5} \times \frac{2}{9} =$

5) $\frac{3}{20} \times \frac{14}{15} =$

6) $\frac{4}{21} \times \frac{7}{9} =$

7) $\frac{7}{10} \times \frac{1}{3} =$

8) $\frac{1}{5} \times \frac{2}{6} =$

9) $\frac{3}{28} \times \frac{6}{9} =$

10) $\frac{19}{20} \times \frac{4}{7} =$

11) $\frac{7}{20} \times \frac{2}{3} =$

12) $\frac{5}{10} \times \frac{2}{14} =$

13) $\frac{14}{18} \times \frac{1}{22} =$

14) $\frac{19}{21} \times \frac{12}{14} =$

15) $\frac{3}{6} \times \frac{4}{14} =$

Name : _____ Fractions 4: ÷

Dividing Fractions

1) $\frac{6}{8} \div \frac{1}{2} =$

2) $\frac{6}{7} \div \frac{13}{20} =$

3) $\frac{7}{10} \div \frac{5}{16} =$

4) $\frac{6}{20} \div \frac{7}{8} =$

5) $\frac{12}{16} \div \frac{1}{4} =$

6) $\frac{11}{20} \div \frac{1}{2} =$

7) $\frac{5}{8} \div \frac{2}{6} =$

8) $\frac{11}{12} \div \frac{5}{18} =$

9) $\frac{5}{7} \div \frac{6}{9} =$

10) $\frac{8}{9} \div \frac{8}{12} =$

11) $\frac{9}{10} \div \frac{15}{16} =$

12) $\frac{2}{8} \div \frac{7}{9} =$

13) $\frac{8}{10} \div \frac{1}{14} =$

14) $\frac{7}{9} \div \frac{3}{8} =$

15) $\frac{2}{6} \div \frac{2}{5} =$

Name : _____ Fractions 5: × ÷ mixed numbers

Multiplying Mixed Numbers

1) $4\frac{2}{3} \times 4\frac{2}{7} =$

2) $4\frac{2}{5} \times 4\frac{6}{7} =$

3) $4\frac{1}{7} \times 3\frac{3}{4} =$

4) $2\frac{4}{9} \times 3\frac{2}{5} =$

5) $4\frac{3}{4} \times 4\frac{4}{7} =$

6) $4\frac{1}{2} \times 4\frac{8}{9} =$

7) $4\frac{7}{10} \times 2\frac{2}{3} =$

8) $2\frac{1}{2} \times 4\frac{3}{8} =$

9) $4\frac{3}{8} \times 2\frac{2}{5} =$

10) $4\frac{6}{7} \times 4\frac{1}{4} =$

11) $2\frac{1}{2} \times 3\frac{3}{4} =$

12) $2\frac{2}{3} \times 3\frac{1}{2} =$

13) $3\frac{1}{3} \times 2\frac{1}{3} =$

14) $4\frac{3}{4} \times 2\frac{2}{5} =$

15) $3\frac{1}{5} \times 3\frac{3}{8} =$

Name : _____

Dividing Mixed Numbers

1) $3\frac{1}{3} \div 4\frac{2}{3} =$

2) $4\frac{1}{5} \div 4\frac{2}{3} =$

3) $3\frac{1}{3} \div 2\frac{1}{2} =$

4) $2\frac{1}{2} \div 2\frac{2}{3} =$

5) $4\frac{7}{9} \div 3\frac{1}{2} =$

6) $4\frac{1}{2} \div 3\frac{1}{8} =$

7) $3\frac{1}{10} \div 4\frac{1}{9} =$

8) $2\frac{4}{5} \div 2\frac{1}{2} =$

9) $2\frac{1}{2} \div 4\frac{3}{7} =$

10) $2\frac{7}{10} \div 3\frac{1}{8} =$

11) $4\frac{1}{8} \div 4\frac{4}{9} =$

12) $4\frac{2}{7} \div 4\frac{1}{2} =$

13) $3\frac{1}{2} \div 3\frac{2}{3} =$

14) $4\frac{1}{2} \div 4\frac{1}{2} =$

15) $2\frac{3}{4} \div 4\frac{1}{7} =$

Order of Operations with Fractions (A)

Name: _____

Simplify each expression using the correct order of operations.

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

$\left(\left(-\frac{1}{3}\right) + \frac{5}{8}\right) \div \frac{8}{9}$

$\left(\left(-\frac{1}{6}\right) - \left(-\frac{5}{8}\right)\right) \times \frac{1}{2}$

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

$\left(-\frac{2}{9}\right) \times \left(\left(-\frac{5}{9}\right) + \frac{5}{6}\right)$

$\left(-\frac{1}{8}\right) \times \left(-\frac{2}{3}\right) + \frac{5}{6}$

Order of Operations with Fractions (A)

Simplify each expression using the correct order of operations.

$\left(\frac{4}{9}\right)^2 \div \left(-\frac{4}{5}\right) - \frac{2}{3}$

$\left(\frac{3}{4}\right)^3 \times \frac{5}{9} - \frac{7}{8}$

$\left(-\frac{7}{8}\right) \times \left(\frac{4}{5} - \left(\frac{2}{3}\right)^2\right)$

$\left(\frac{2}{3}\right)^2 \times \left(-\frac{7}{8}\right) + \left(-\frac{2}{5}\right)$

$\left(\left(-\frac{1}{3}\right) - \frac{5}{6}\right)^2 \div \left(-\frac{5}{9}\right)$

$\left(-\frac{8}{9}\right) + \frac{1}{9} \div \left(-\frac{1}{4}\right)^3$