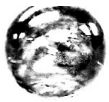

BRONZE

Find least common denominator.

1. 6, 30

30

2. 12, 16

48

3. 15, 8

120

Add. State any value(s) that make the expression undefined.

1. $\frac{4}{5}+\frac{7}{5}=\boxed{\frac{11}{5}}$

2. $-\frac{5}{9}+\frac{2}{9}=\frac{-3}{9}=\boxed{-\frac{1}{3}}$

3. $\frac{-3}{1}+\frac{6}{13}=\boxed{\frac{-33}{13}}$

4. $\frac{3}{12}+\frac{5}{8}=\frac{1}{4}+\frac{5}{8}=\boxed{\frac{7}{8}}$

5. $\frac{5}{14}+\frac{2}{9}=\boxed{\frac{73}{126}}$

6. $8+\frac{2}{5}$

$\frac{40}{5}+\frac{2}{5}=\boxed{\frac{42}{5}}$

Subtract. State any value(s) that make the expression undefined.

1. $\frac{8}{9}-\frac{2}{11}=\boxed{\frac{70}{99}}$

2. $\frac{7}{12}-\frac{8}{15}=\boxed{\frac{1}{20}}$

3. $\frac{5}{6}-\frac{3}{8}=\boxed{\frac{11}{24}}$

4. $\frac{3}{8}-\frac{17}{36}=\boxed{\frac{-7}{72}}$

5. $\frac{11}{54}-\frac{8}{15}=\boxed{\frac{-89}{270}}$

6. $-2-\frac{7}{12}=\boxed{\frac{-31}{12}}$

Multiply.

1. $\frac{2}{3} \cdot \frac{-3}{8_4} = \boxed{\frac{-1}{4}}$

2. $\frac{2}{4} \cdot \frac{1}{2} = \boxed{\frac{2}{9}}$

3. $\frac{7}{12_6} \cdot \frac{2}{5} = \boxed{\frac{7}{30}}$

4. $\frac{5}{1} \cdot \frac{2}{5} = \boxed{2}$

5. $\frac{12^3}{19} \cdot \frac{3}{4} = \boxed{\frac{9}{19}}$

6. $\frac{24^3}{13} \cdot \frac{39^3}{8} = \boxed{9}$

Divide.

1. $\frac{5}{6} \div \frac{2}{3} = \frac{5}{6_2} \cdot \frac{3}{2} = \boxed{\frac{5}{4}}$

2. $\frac{8}{7} \div 7 = \frac{8}{7} \cdot \frac{1}{7} = \boxed{\frac{8}{49}}$

3. $\frac{3}{10} \div \frac{5}{3} = \frac{3}{10} \cdot \frac{3}{5} = \boxed{\frac{9}{50}}$

4. $\frac{23}{6} \div \frac{14}{9} = \frac{23}{6_2} \cdot \frac{9^3}{14} = \boxed{\frac{69}{28}}$

5. $\frac{5}{12} \div 5 = \frac{5}{12} \cdot \frac{1}{5} = \boxed{\frac{1}{12}}$

6. $\frac{25}{16} \div \frac{20}{48} = \frac{25^5}{16} \cdot \frac{48^3}{20_4} = \boxed{\frac{15}{4}}$