

Name: KEY

Date: _____

Homework – Mult/Div Fractions & Mixed Numbers

$$1) \frac{1}{2} \times \frac{1}{19}$$

$$\frac{1}{2} \cdot \frac{1}{19} = \boxed{\frac{1}{38}}$$

$$2) \frac{1}{16} \times \frac{7}{2}$$

$$\frac{1}{16} \cdot \frac{7}{2} = \boxed{\frac{7}{32}}$$

$$3) \frac{4}{5} \times 30$$

$$\frac{4}{5} \cdot \frac{30}{1}$$

$$\frac{4}{1} \cdot \frac{6}{1} = \boxed{24}$$

$$4) 4\frac{2}{3} \times 2\frac{3}{4}$$

$$\frac{14}{3} \cdot \frac{11}{2}$$

$$\frac{7}{3} \cdot \frac{11}{2} = \frac{77}{6} = \boxed{12\frac{5}{6}}$$

$$5) 2\frac{1}{2} \times 2\frac{2}{15}$$

$$\frac{5}{2} \cdot \frac{32}{15}$$

$$\frac{1}{1} \cdot \frac{16}{3} = \frac{16}{3} = \boxed{5\frac{1}{3}}$$

$$6) \frac{5}{6} \div \frac{1}{3}$$

$$\frac{5}{2} \cdot \frac{3}{1} =$$

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

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

$$\frac{7}{2} \cdot \frac{4}{1}$$

$$\frac{7}{1} \cdot \frac{2}{1} = \boxed{14}$$

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

$$\frac{15}{4} \div \frac{5}{2}$$

$$\frac{3}{2} \cdot \frac{2}{5}$$

$$\frac{3}{2} \cdot \frac{1}{5} = \frac{3}{10} = \boxed{1\frac{1}{2}}$$

9) $6\frac{3}{7} \div 5\frac{1}{7}$

$$\frac{45}{7} \div \frac{36}{7}$$

$$\overset{5}{\cancel{45}} \cdot \overset{1}{\cancel{36}4}$$

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

10) $5 \div 2\frac{1}{5}$

$$\frac{5}{1} \div \frac{11}{5}$$

$$\frac{5}{1} \cdot \frac{5}{11} = \frac{25}{11} = \boxed{2\frac{3}{11}}$$

11) $1\frac{1}{8} \div \frac{3}{1}$

$$\overset{3}{\cancel{9}} \cdot \frac{1}{\cancel{3}1}$$

$$\frac{3}{8} \cdot \frac{1}{1} = \boxed{\frac{3}{8}}$$

12) $\frac{7}{8} \times 2\frac{1}{7}$

$$\overset{1}{\cancel{7}} \cdot \frac{15}{\cancel{7}7}$$

$$\frac{1}{8} \cdot \frac{15}{1} = \frac{15}{8} = \boxed{1\frac{7}{8}}$$

13) $5\frac{3}{7} \times 2\frac{3}{16}$

$$\overset{19}{\cancel{38}} \cdot \overset{5}{\cancel{35}5}$$

$$\frac{19}{1} \cdot \frac{5}{8} = \frac{95}{8} = \boxed{11\frac{7}{8}}$$

14) $9\frac{3}{8} \div 3\frac{3}{4}$

$$\frac{75}{8} \div \frac{15}{4}$$

$$\overset{5}{\cancel{75}} \cdot \overset{4}{\cancel{4}1}$$

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

15) $3\frac{3}{4} \div 1\frac{1}{8}$

$$\frac{15}{4} \div \frac{9}{8}$$

$$\overset{5}{\cancel{15}} \cdot \overset{2}{\cancel{8}4}$$

$$\frac{5}{1} \cdot \frac{2}{3} = \frac{10}{3} = \boxed{3\frac{1}{3}}$$

16) $5\frac{3}{5} \div 3\frac{11}{15}$

$$\frac{28}{5} \div \frac{56}{15}$$

$$\overset{1}{\cancel{28}} \cdot \overset{3}{\cancel{56}2}$$

$$\frac{1}{1} \cdot \frac{3}{2} = \frac{3}{2} = \boxed{1\frac{1}{2}}$$