

Name _____ Period _____ Date _____

Divide and Multiply Fractions

Turn the following into improper fractions.

1. $5\frac{1}{3}$

2. $2\frac{2}{5}$

3. $10\frac{5}{7}$

Find the reciprocal of the following. You do not need to reduce your answers.

4. $\frac{5}{8}$

5. $\frac{6}{13}$

6. $5\frac{1}{3}$

Multiply or divide the following. Reduce your answers.

7. $\frac{1}{3} \times \frac{2}{5}$

8. $\frac{2}{7} \times \frac{8}{9}$

9. $\frac{5}{12} \times \frac{2}{3}$

10. $4\frac{1}{3} \times 2\frac{1}{4}$

11. $3\frac{2}{4} \times \frac{2}{5}$

12. $4\frac{2}{9} \times \frac{3}{4}$

13. $5\frac{2}{3} \div \frac{1}{5}$

14. $4\frac{3}{5} \div \frac{4}{7}$

15. $7 \div \frac{2}{7}$

BONUS: Reduce the fractions

$\frac{15}{4}$

$\frac{20}{12}$

$\frac{62}{31}$

$\frac{50}{25}$

Name ANSWER KEY Period _____ Date _____

Divide and Multiply Fractions

Turn the following into improper fractions.

$$1. 5\frac{1}{3} = \frac{16}{3}$$

$$2. 2\frac{2}{5} = \frac{12}{5}$$

$$3. 10\frac{5}{7} = \frac{75}{7}$$

Find the reciprocal of the following. You do not need to reduce your answers.

$$4. \frac{5}{8} \\ \frac{8}{5}$$

$$5. \frac{6}{13} \\ \frac{13}{6}$$

$$6. 5\frac{1}{3} \\ \frac{3}{16}$$

Multiply or divide the following. Reduce your answers.

$$7. \frac{1}{3} \times \frac{2}{5} \\ \frac{2}{15}$$

$$8. \frac{2}{7} \times \frac{8}{9} \\ \frac{16}{63}$$

$$9. \frac{5}{12} \times \frac{2}{3} \\ \frac{10}{36} = \frac{5}{18}$$

$$10. 4\frac{1}{3} \times 2\frac{1}{4} \\ \frac{13}{3} \times \frac{9}{4} = \frac{117}{12} \\ 9\frac{9}{12} = 9\frac{3}{4}$$

$$11. 3\frac{2}{4} \times \frac{2}{5} \\ \frac{14}{4} \times \frac{2}{5} = \frac{28}{20} \\ 1\frac{8}{20} = 1\frac{2}{5}$$

$$12. 4\frac{2}{9} \times \frac{3}{4} \\ \frac{38}{9} \times \frac{3}{4} = \frac{114}{36} \\ 3\frac{6}{36} = 3\frac{1}{6}$$

$$13. 5\frac{2}{3} \div \frac{1}{5} \\ \frac{17}{3} \times \frac{5}{1} = \frac{85}{3} \\ 28\frac{1}{3}$$

$$14. 4\frac{3}{5} \div \frac{4}{7} \\ \frac{23}{5} \times \frac{7}{4} = \frac{161}{20} \\ 8\frac{1}{20}$$

$$15. 7 \div \frac{2}{7} \\ \frac{7}{1} \times \frac{7}{2} = \frac{49}{2} \\ 24\frac{1}{2}$$

BONUS: Reduce the fractions

$$\frac{15}{4} = 3\frac{3}{4}$$

$$\frac{20}{12} = 1\frac{8}{12} = 1\frac{2}{3}$$

$$\frac{62}{31} = 2$$

$$\frac{50}{25} = 2$$