

Name _____ Period _____ Date _____

Chapter 3 Part 2 Test

Multiply the following fractions. Reduce your answers, if possible.

1. $\frac{1}{6} \times \frac{2}{3}$

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

3. $\frac{5}{9} \times \frac{2}{4}$

4. $4\frac{2}{5} \times \frac{1}{8}$

5. $\frac{7}{12} \times \frac{2}{3}$

6. $1\frac{1}{2} \times \frac{2}{3}$

7. $8 \times \frac{3}{5}$

8. $2\frac{1}{3} \times \frac{3}{4}$

9. $7\frac{4}{6} \times 1\frac{1}{5}$

Divide the following fractions. Reduce your answers, if possible.

10. $\frac{6}{7} \div \frac{1}{3}$

11. $\frac{3}{11} \div \frac{4}{10}$

12. $\frac{5}{7} \div \frac{1}{2}$

13. $2\frac{2}{3} \div \frac{3}{7}$

14. $6 \div \frac{1}{3}$

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

Use the distributive property to solve each problem.

16. $6(5+8)$

17. $3(6-2)$

18. $(1+7)5$

19. $9(10-2)$

20. $(15-6)3$

BONUS: Reduce the fractions. (2 points each)

$\frac{15}{2}$

$\frac{32}{5}$

$\frac{50}{20}$

$\frac{20}{50}$

$\frac{36}{12}$

Name _____ ANSWER KEY _____ Period _____ Date _____

Chapter 3 Part 2 Test

Multiply the following fractions. Reduce your answers, if possible.

$$1. \frac{1}{6} \times \frac{2}{3} \\ \frac{2}{18} = \frac{1}{9}$$

$$2. \frac{2}{7} \times \frac{7}{9} \\ \frac{14}{63} = \frac{2}{9}$$

$$3. \frac{5}{9} \times \frac{2}{4} \\ \frac{10}{36} = \frac{5}{18}$$

$$4. 4\frac{2}{5} \times \frac{1}{8} \\ \frac{22}{5} \times \frac{1}{8} = \frac{22}{40} = \frac{11}{20}$$

$$5. \frac{7}{12} \times \frac{2}{3} \\ \frac{14}{36} = \frac{7}{18}$$

$$6. 1\frac{1}{2} \times \frac{2}{3} \\ \frac{3}{2} \times \frac{2}{3} = \frac{6}{6} = 1$$

$$7. 8 \times \frac{3}{5} \\ \frac{8}{1} \times \frac{3}{5} = \frac{24}{5} = 4\frac{4}{5}$$

$$8. 2\frac{1}{3} \times \frac{3}{4} \\ \frac{7}{3} \times \frac{3}{4} = \frac{21}{12} = \frac{7}{4} = 1\frac{3}{4}$$

$$9. 7\frac{4}{6} \times 1\frac{1}{5} \\ \frac{46}{6} \times \frac{6}{5} = \frac{276}{30} = 9\frac{6}{30} = 9\frac{1}{5}$$

Divide the following fractions. Reduce your answers, if possible.

$$10. \frac{6}{7} \div \frac{1}{3}$$

$$\frac{6}{7} \times \frac{3}{1} = \frac{18}{7} = 2\frac{4}{7}$$

$$11. \frac{3}{11} \div \frac{4}{10}$$

$$\frac{3}{11} \times \frac{10}{4} = \frac{30}{44} = \frac{15}{22}$$

$$12. \frac{5}{7} \div \frac{1}{2}$$

$$\frac{5}{7} \times \frac{2}{1} = \frac{10}{7} = 1\frac{3}{7}$$

$$13. 2\frac{2}{3} \div \frac{3}{7}$$

$$\frac{8}{3} \times \frac{7}{3} = \frac{56}{9} = 6\frac{2}{9}$$

$$14. 6 \div \frac{1}{3}$$

$$\frac{6}{1} \times \frac{3}{1} = \frac{18}{1} = 18$$

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

$$\frac{15}{2} \times \frac{3}{17} = \frac{45}{34} = 1\frac{11}{34}$$

Use the distributive property to solve each problem.

$$16. 6(5+8)$$

$$6 \times 5 + 6 \times 8$$

$$30 + 48 = 78$$

$$17. 3(6-2)$$

$$3 \times 6 - 3 \times 2$$

$$18 - 6 = 12$$

$$18. (1+7)5$$

$$1 \times 5 + 7 \times 5$$

$$5 + 35 = 40$$

$$19. 9(10-2)$$

$$9 \times 10 - 9 \times 2$$

$$90 - 18 = 72$$

$$20. (15-6)3$$

$$15 \times 3 - 6 \times 3$$

$$45 - 18 = 27$$

BONUS: Reduce the fractions. (2 points each)

$$\frac{15}{2} = 7\frac{1}{2}$$

$$\frac{32}{5} = 6\frac{2}{5}$$

$$\frac{50}{20} = 2\frac{1}{2}$$

$$\frac{20}{50} = \frac{2}{5}$$

$$\frac{36}{12} = 3$$