

Name _____

Estimate Quotients

COMMON CORE STANDARD CC.6.NS.1

Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

Estimate using compatible numbers.

$$1. \quad 12\frac{3}{16} \div 3\frac{9}{10}$$

$$\quad \downarrow \quad \downarrow$$

$$\quad 12 \div 4 = 3$$

$$2. \quad 15\frac{3}{8} \div \frac{1}{2}$$

$$3. \quad 22\frac{1}{5} \div 1\frac{5}{6}$$

$$4. \quad 7\frac{7}{9} \div \frac{4}{7}$$

$$5. \quad 18\frac{1}{4} \div 2\frac{4}{5}$$

$$6. \quad 62\frac{7}{10} \div 8\frac{8}{9}$$

$$7. \quad \frac{11}{12} \div \frac{1}{5}$$

$$8. \quad 24\frac{3}{4} \div \frac{1}{2}$$

$$9. \quad \frac{15}{16} \div \frac{1}{7}$$

$$10. \quad 14\frac{7}{8} \div \frac{5}{11}$$

$$11. \quad 53\frac{7}{12} \div 8\frac{11}{12}$$

$$12. \quad 1\frac{1}{6} \div \frac{1}{9}$$

Problem Solving

13. Estimate the number of pieces Sharon will have if she divides $15\frac{1}{3}$ yards of fabric into $4\frac{4}{5}$ -yard lengths.

14. Estimate the number of $\frac{1}{2}$ -quart containers Ethan can fill from a container with $8\frac{7}{8}$ quarts of water.