

Multiplying and Dividing Various Fractions (A)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $2\frac{3}{8} \times 3\frac{5}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$
Convert ↑ Result Simplify Convert ↓

2. $3\frac{1}{2} \times \frac{15}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

3. $\frac{7}{6} \div \frac{13}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

4. $2\frac{4}{9} \times 1\frac{1}{5} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

5. $\frac{7}{2} \times \frac{3}{2} = \underline{\quad} = \underline{\quad}$

6. $3\frac{7}{8} \times \frac{1}{2} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

7. $1\frac{1}{9} \div 1\frac{4}{5} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

8. $\frac{16}{5} \div \frac{17}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

9. $1\frac{4}{5} \div \frac{5}{2} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

10. $3\frac{4}{9} \div \frac{2}{7} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

Multiplying and Dividing Various Fractions (A) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 2\frac{3}{8} \times 3\frac{5}{7} = \frac{19}{8} \times \frac{26}{7} = \frac{494}{56} = \frac{247}{28} = 8\frac{23}{28}$$

$$2. \quad 3\frac{1}{2} \times \frac{15}{4} = \frac{7}{2} \times \frac{15}{4} = \frac{105}{8} = 13\frac{1}{8}$$

$$3. \quad \frac{7}{6} \div \frac{13}{7} = \frac{7}{6} \times \frac{7}{13} = \frac{49}{78}$$

$$4. \quad 2\frac{4}{9} \times 1\frac{1}{5} = \frac{22}{9} \times \frac{6}{5} = \frac{132}{45} = \frac{44}{15} = 2\frac{14}{15}$$

$$5. \quad \frac{7}{2} \times \frac{3}{2} = \frac{21}{4} = 5\frac{1}{4}$$

$$6. \quad 3\frac{7}{8} \times \frac{1}{2} = \frac{31}{8} \times \frac{1}{2} = \frac{31}{16} = 1\frac{15}{16}$$

$$7. \quad 1\frac{1}{9} \div 1\frac{4}{5} = \frac{10}{9} \div \frac{9}{5} = \frac{10}{9} \times \frac{5}{9} = \frac{50}{81}$$

$$8. \quad \frac{16}{5} \div \frac{17}{7} = \frac{16}{5} \times \frac{7}{17} = \frac{112}{85} = 1\frac{27}{85}$$

$$9. \quad 1\frac{4}{5} \div \frac{5}{2} = \frac{9}{5} \div \frac{5}{2} = \frac{9}{5} \times \frac{2}{5} = \frac{18}{25}$$

$$10. \quad 3\frac{4}{9} \div \frac{2}{7} = \frac{31}{9} \div \frac{2}{7} = \frac{31}{9} \times \frac{7}{2} = \frac{217}{18} = 12\frac{1}{18}$$