

Multiplying and Dividing Mixed Fractions (A)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $4\frac{1}{2} \div 5\frac{3}{4} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$
Convert ↑ Inversion Result Simplify

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

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

4. $1\frac{1}{3} \times 5\frac{3}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

6. $4\frac{1}{4} \div 4\frac{1}{2} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

7. $3\frac{5}{6} \div 1\frac{1}{8} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

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

10. $5\frac{1}{2} \div 3\frac{2}{3} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

Multiplying and Dividing Mixed Fractions (A) Answers

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Calculate each result.

$$1. \quad 4\frac{1}{2} \div 5\frac{3}{4} = \frac{9}{2} \div \frac{23}{4} = \frac{9}{2} \times \frac{4}{23} = \frac{36}{46} = \frac{18}{23}$$

$$2. \quad 4\frac{1}{3} \times 3\frac{3}{5} = \frac{13}{3} \times \frac{18}{5} = \frac{234}{15} = \frac{78}{5} = 15\frac{3}{5}$$

$$3. \quad 4\frac{1}{2} \times 4\frac{1}{3} = \frac{9}{2} \times \frac{13}{3} = \frac{117}{6} = \frac{39}{2} = 19\frac{1}{2}$$

$$4. \quad 1\frac{1}{3} \times 5\frac{3}{4} = \frac{4}{3} \times \frac{23}{4} = \frac{92}{12} = \frac{23}{3} = 7\frac{2}{3}$$

$$5. \quad 1\frac{4}{5} \div 5\frac{1}{4} = \frac{9}{5} \div \frac{21}{4} = \frac{9}{5} \times \frac{4}{21} = \frac{36}{105} = \frac{12}{35}$$

$$6. \quad 4\frac{1}{4} \div 4\frac{1}{2} = \frac{17}{4} \div \frac{9}{2} = \frac{17}{4} \times \frac{2}{9} = \frac{34}{36} = \frac{17}{18}$$

$$7. \quad 3\frac{5}{6} \div 1\frac{1}{8} = \frac{23}{6} \div \frac{9}{8} = \frac{23}{6} \times \frac{8}{9} = \frac{184}{54} = \frac{92}{27} = 3\frac{11}{27}$$

$$8. \quad 2\frac{2}{3} \times 3\frac{1}{2} = \frac{8}{3} \times \frac{7}{2} = \frac{56}{6} = \frac{28}{3} = 9\frac{1}{3}$$

$$9. \quad 1\frac{1}{2} \times 5\frac{2}{9} = \frac{3}{2} \times \frac{47}{9} = \frac{141}{18} = \frac{47}{6} = 7\frac{5}{6}$$

$$10. \quad 5\frac{1}{2} \div 3\frac{2}{3} = \frac{11}{2} \div \frac{11}{3} = \frac{11}{2} \times \frac{3}{11} = \frac{33}{22} = \frac{3}{2} = 1\frac{1}{2}$$