

Multiplying and Dividing Various Fractions (E)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $3\frac{6}{7} \div 1\frac{1}{2} =$

3. $2\frac{1}{3} \div \frac{8}{9} =$

4. $\frac{5}{9} \div \frac{14}{9} =$

5. $3\frac{3}{4} \div \frac{1}{2} =$

6. $\frac{6}{7} \times 1\frac{8}{9} =$

7. $2\frac{2}{5} \div 3\frac{5}{7} =$

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

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

10. $\frac{10}{3} \times \frac{5}{2} =$

Multiplying and Dividing Various Fractions (E) Answers

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Calculate each result.

$$1. \quad 3\frac{3}{4} \times \frac{5}{3} = \frac{15}{4} \times \frac{5}{3} = \frac{75}{12} = \frac{25}{4} = 6\frac{1}{4}$$

$$2. \quad 3\frac{6}{7} \div 1\frac{1}{2} = \frac{27}{7} \div \frac{3}{2} = \frac{27}{7} \times \frac{2}{3} = \frac{54}{21} = \frac{18}{7} = 2\frac{4}{7}$$

$$3. \quad 2\frac{1}{3} \div \frac{8}{9} = \frac{7}{3} \div \frac{8}{9} = \frac{7}{3} \times \frac{9}{8} = \frac{63}{24} = \frac{21}{8} = 2\frac{5}{8}$$

$$4. \quad \frac{5}{9} \div \frac{14}{9} = \frac{5}{9} \times \frac{9}{14} = \frac{45}{126} = \frac{5}{14}$$

$$5. \quad 3\frac{3}{4} \div \frac{1}{2} = \frac{15}{4} \div \frac{1}{2} = \frac{15}{4} \times \frac{2}{1} = \frac{30}{4} = \frac{15}{2} = 7\frac{1}{2}$$

$$6. \quad \frac{6}{7} \times 1\frac{8}{9} = \frac{6}{7} \times \frac{17}{9} = \frac{102}{63} = \frac{34}{21} = 1\frac{13}{21}$$

$$7. \quad 2\frac{2}{5} \div 3\frac{5}{7} = \frac{12}{5} \div \frac{26}{7} = \frac{12}{5} \times \frac{7}{26} = \frac{84}{130} = \frac{42}{65}$$

$$8. \quad \frac{3}{4} \times 3\frac{2}{3} = \frac{3}{4} \times \frac{11}{3} = \frac{33}{12} = \frac{11}{4} = 2\frac{3}{4}$$

$$9. \quad \frac{3}{4} \times 3\frac{1}{5} = \frac{3}{4} \times \frac{16}{5} = \frac{48}{20} = \frac{12}{5} = 2\frac{2}{5}$$

$$10. \quad \frac{10}{3} \times \frac{5}{2} = \frac{50}{6} = \frac{25}{3} = 8\frac{1}{3}$$