

Multiplying and Dividing Proper and Mixed Fractions (J)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

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

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

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

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

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

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

9. $\frac{1}{2} \div 2\frac{5}{6} =$

10. $1\frac{1}{2} \times \frac{1}{4} =$

Multiplying and Dividing Proper and Mixed Fractions (J) Answers

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Calculate each result.

$$1. \quad 3\frac{1}{2} \times \frac{8}{9} = \frac{7}{2} \times \frac{8}{9} = \frac{56}{18} = \frac{28}{9} = 3\frac{1}{9}$$

$$2. \quad \frac{1}{2} \div 2\frac{1}{3} = \frac{1}{2} \div \frac{7}{3} = \frac{1}{2} \times \frac{3}{7} = \frac{3}{14}$$

$$3. \quad 3\frac{4}{9} \times \frac{1}{4} = \frac{31}{9} \times \frac{1}{4} = \frac{31}{36}$$

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

$$5. \quad 3\frac{1}{5} \div \frac{4}{5} = \frac{16}{5} \div \frac{4}{5} = \frac{16}{5} \times \frac{5}{4} = \frac{80}{20} = 4$$

$$6. \quad 3\frac{1}{2} \times \frac{1}{4} = \frac{7}{2} \times \frac{1}{4} = \frac{7}{8}$$

$$7. \quad \frac{1}{2} \times 2\frac{2}{3} = \frac{1}{2} \times \frac{8}{3} = \frac{8}{6} = \frac{4}{3} = 1\frac{1}{3}$$

$$8. \quad \frac{1}{5} \div 3\frac{1}{2} = \frac{1}{5} \div \frac{7}{2} = \frac{1}{5} \times \frac{2}{7} = \frac{2}{35}$$

$$9. \quad \frac{1}{2} \div 2\frac{5}{6} = \frac{1}{2} \div \frac{17}{6} = \frac{1}{2} \times \frac{6}{17} = \frac{6}{34} = \frac{3}{17}$$

$$10. \quad 1\frac{1}{2} \times \frac{1}{4} = \frac{3}{2} \times \frac{1}{4} = \frac{3}{8}$$