

Multiplying and Dividing Various Fractions (J)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $\frac{1}{2} \div 3\frac{1}{2} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

2. $3\frac{2}{5} \times 1\frac{1}{4} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

3. $\frac{1}{3} \div 2\frac{5}{9} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

4. $\frac{2}{9} \div 3\frac{1}{5} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

5. $3\frac{4}{9} \times \frac{3}{2} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

6. $3\frac{1}{8} \times 1\frac{1}{7} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

7. $3\frac{3}{8} \times \frac{1}{9} = \text{---} \times \text{---} = \text{---} = \text{---}$

8. $\frac{7}{4} \times \frac{20}{9} = \text{---} = \text{---} = \text{---}$

9. $\frac{23}{8} \div \frac{1}{2} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

10. $\frac{5}{4} \div 2\frac{2}{9} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

Multiplying and Dividing Various Fractions (J) Answers

Name: _____

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Score: _____

Calculate each result.

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

$$2. \quad 3\frac{2}{5} \times 1\frac{1}{4} = \frac{17}{5} \times \frac{5}{4} = \frac{85}{20} = \frac{17}{4} = 4\frac{1}{4}$$

$$3. \quad \frac{1}{3} \div 2\frac{5}{9} = \frac{1}{3} \div \frac{23}{9} = \frac{1}{3} \times \frac{9}{23} = \frac{9}{69} = \frac{3}{23}$$

$$4. \quad \frac{2}{9} \div 3\frac{1}{5} = \frac{2}{9} \div \frac{16}{5} = \frac{2}{9} \times \frac{5}{16} = \frac{10}{144} = \frac{5}{72}$$

$$5. \quad 3\frac{4}{9} \times \frac{3}{2} = \frac{31}{9} \times \frac{3}{2} = \frac{93}{18} = \frac{31}{6} = 5\frac{1}{6}$$

$$6. \quad 3\frac{1}{8} \times 1\frac{1}{7} = \frac{25}{8} \times \frac{8}{7} = \frac{200}{56} = \frac{25}{7} = 3\frac{4}{7}$$

$$7. \quad 3\frac{3}{8} \times \frac{1}{9} = \frac{27}{8} \times \frac{1}{9} = \frac{27}{72} = \frac{3}{8}$$

$$8. \quad \frac{7}{4} \times \frac{20}{9} = \frac{140}{36} = \frac{35}{9} = 3\frac{8}{9}$$

$$9. \quad \frac{23}{8} \div \frac{1}{2} = \frac{23}{8} \times \frac{2}{1} = \frac{46}{8} = \frac{23}{4} = 5\frac{3}{4}$$

$$10. \quad \frac{5}{4} \div 2\frac{2}{9} = \frac{5}{4} \div \frac{20}{9} = \frac{5}{4} \times \frac{9}{20} = \frac{45}{80} = \frac{9}{16}$$