

Multiplying and Dividing Various Fractions (J)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $3\frac{3}{7} \times \frac{11}{6} =$

2. $\frac{15}{7} \times 1\frac{1}{2} =$

3. $\frac{10}{9} \div \frac{7}{3} =$

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

5. $3\frac{5}{6} \div \frac{20}{7} =$

6. $\frac{11}{6} \times \frac{11}{4} =$

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

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

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

10. $1\frac{1}{2} \div 2\frac{1}{2} =$

Multiplying and Dividing Various Fractions (J) Answers

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Calculate each result.

$$1. \quad 3\frac{3}{7} \times \frac{11}{6} = \frac{24}{7} \times \frac{11}{6} = \frac{264}{42} = \frac{44}{7} = 6\frac{2}{7}$$

$$2. \quad \frac{15}{7} \times 1\frac{1}{2} = \frac{15}{7} \times \frac{3}{2} = \frac{45}{14} = 3\frac{3}{14}$$

$$3. \quad \frac{10}{9} \div \frac{7}{3} = \frac{10}{9} \times \frac{3}{7} = \frac{30}{63} = \frac{10}{21}$$

$$4. \quad 3\frac{2}{3} \times 2\frac{1}{4} = \frac{11}{3} \times \frac{9}{4} = \frac{99}{12} = \frac{33}{4} = 8\frac{1}{4}$$

$$5. \quad 3\frac{5}{6} \div \frac{20}{7} = \frac{23}{6} \div \frac{20}{7} = \frac{23}{6} \times \frac{7}{20} = \frac{161}{120} = 1\frac{41}{120}$$

$$6. \quad \frac{11}{6} \times \frac{11}{4} = \frac{121}{24} = 5\frac{1}{24}$$

$$7. \quad \frac{5}{2} \div 2\frac{3}{4} = \frac{5}{2} \div \frac{11}{4} = \frac{5}{2} \times \frac{4}{11} = \frac{20}{22} = \frac{10}{11}$$

$$8. \quad 3\frac{1}{4} \times \frac{3}{7} = \frac{13}{4} \times \frac{3}{7} = \frac{39}{28} = 1\frac{11}{28}$$

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

$$10. \quad 1\frac{1}{2} \div 2\frac{1}{2} = \frac{3}{2} \div \frac{5}{2} = \frac{3}{2} \times \frac{2}{5} = \frac{6}{10} = \frac{3}{5}$$