

Multiplying and Dividing Various Fractions (I)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $\frac{11}{3} \div 3\frac{2}{3} =$

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

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

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

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

6. $3\frac{3}{8} \div \frac{5}{3} =$

7. $1\frac{3}{4} \times 2\frac{3}{5} =$

8. $\frac{1}{2} \times \frac{5}{2} =$

9. $\frac{2}{5} \div \frac{11}{9} =$

10. $\frac{1}{2} \times 1\frac{5}{7} =$

Multiplying and Dividing Various Fractions (I) Answers

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Calculate each result.

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

$$2. \quad 3\frac{1}{2} \times 2\frac{1}{6} = \frac{7}{2} \times \frac{13}{6} = \frac{91}{12} = 7\frac{7}{12}$$

$$3. \quad \frac{1}{2} \div \frac{6}{7} = \frac{1}{2} \div \frac{6}{7} = \frac{1}{2} \times \frac{7}{6} = \frac{7}{12}$$

$$4. \quad \frac{2}{3} \times 3\frac{1}{9} = \frac{2}{3} \times \frac{28}{9} = \frac{56}{27} = 2\frac{2}{27}$$

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

$$6. \quad 3\frac{3}{8} \div \frac{5}{3} = \frac{27}{8} \div \frac{5}{3} = \frac{27}{8} \times \frac{3}{5} = \frac{81}{40} = 2\frac{1}{40}$$

$$7. \quad 1\frac{3}{4} \times 2\frac{3}{5} = \frac{7}{4} \times \frac{13}{5} = \frac{91}{20} = 4\frac{11}{20}$$

$$8. \quad \frac{1}{2} \times \frac{5}{2} = \frac{1}{2} \times \frac{5}{2} = \frac{5}{4} = 1\frac{1}{4}$$

$$9. \quad \frac{2}{5} \div \frac{11}{9} = \frac{2}{5} \times \frac{9}{11} = \frac{18}{55}$$

$$10. \quad \frac{1}{2} \times 1\frac{5}{7} = \frac{1}{2} \times \frac{12}{7} = \frac{12}{14} = \frac{6}{7}$$