

Multiplying and Dividing Various Fractions (F)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

3. $3\frac{4}{7} \div \frac{7}{8} =$

4. $\frac{13}{6} \times \frac{25}{7} =$

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

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

7. $3\frac{2}{5} \times \frac{8}{3} =$

8. $\frac{23}{9} \div \frac{9}{4} =$

9. $2\frac{7}{9} \times 2\frac{1}{3} =$

10. $\frac{13}{7} \div \frac{3}{4} =$

Multiplying and Dividing Various Fractions (F) Answers

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Calculate each result.

$$1. \quad 2\frac{2}{3} \div \frac{9}{8} = \frac{8}{3} \div \frac{9}{8} = \frac{8}{3} \times \frac{8}{9} = \frac{64}{27} = 2\frac{10}{27}$$

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

$$3. \quad 3\frac{4}{7} \div \frac{7}{8} = \frac{25}{7} \div \frac{7}{8} = \frac{25}{7} \times \frac{8}{7} = \frac{200}{49} = 4\frac{4}{49}$$

$$4. \quad \frac{13}{6} \times \frac{25}{7} = \frac{325}{42} = 7\frac{31}{42}$$

$$5. \quad \frac{7}{4} \times 2\frac{3}{4} = \frac{7}{4} \times \frac{11}{4} = \frac{77}{16} = 4\frac{13}{16}$$

$$6. \quad 3\frac{1}{7} \div 3\frac{1}{2} = \frac{22}{7} \div \frac{7}{2} = \frac{22}{7} \times \frac{2}{7} = \frac{44}{49}$$

$$7. \quad 3\frac{2}{5} \times \frac{8}{3} = \frac{17}{5} \times \frac{8}{3} = \frac{136}{15} = 9\frac{1}{15}$$

$$8. \quad \frac{23}{9} \div \frac{9}{4} = \frac{23}{9} \times \frac{4}{9} = \frac{92}{81} = 1\frac{11}{81}$$

$$9. \quad 2\frac{7}{9} \times 2\frac{1}{3} = \frac{25}{9} \times \frac{7}{3} = \frac{175}{27} = 6\frac{13}{27}$$

$$10. \quad \frac{13}{7} \div \frac{3}{4} = \frac{13}{7} \times \frac{4}{3} = \frac{52}{21} = 2\frac{10}{21}$$