

Multiplying and Dividing Various Fractions (B)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $3\frac{1}{2} \times \frac{15}{7} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

2. $1\frac{3}{8} \div \frac{7}{2} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

4. $1\frac{2}{3} \times 2\frac{6}{7} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

6. $\frac{11}{6} \div \frac{4}{3} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

7. $\frac{10}{9} \div \frac{17}{9} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

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

Multiplying and Dividing Various Fractions (B) Answers

Name: _____

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Score: _____

Calculate each result.

$$1. \quad 3\frac{1}{2} \times \frac{15}{7} = \frac{7}{2} \times \frac{15}{7} = \frac{105}{14} = \frac{15}{2} = 7\frac{1}{2}$$

$$2. \quad 1\frac{3}{8} \div \frac{7}{2} = \frac{11}{8} \div \frac{7}{2} = \frac{11}{8} \times \frac{2}{7} = \frac{22}{56} = \frac{11}{28}$$

$$3. \quad 2\frac{1}{2} \times 3\frac{1}{2} = \frac{5}{2} \times \frac{7}{2} = \frac{35}{4} = 8\frac{3}{4}$$

$$4. \quad 1\frac{2}{3} \times 2\frac{6}{7} = \frac{5}{3} \times \frac{20}{7} = \frac{100}{21} = 4\frac{16}{21}$$

$$5. \quad 2\frac{1}{2} \times \frac{5}{2} = \frac{5}{2} \times \frac{5}{2} = \frac{25}{4} = 6\frac{1}{4}$$

$$6. \quad \frac{11}{6} \div \frac{4}{3} = \frac{11}{6} \times \frac{3}{4} = \frac{33}{24} = \frac{11}{8} = 1\frac{3}{8}$$

$$7. \quad \frac{10}{9} \div \frac{17}{9} = \frac{10}{9} \times \frac{9}{17} = \frac{90}{153} = \frac{10}{17}$$

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

$$9. \quad \frac{9}{4} \div 3\frac{1}{2} = \frac{9}{4} \div \frac{7}{2} = \frac{9}{4} \times \frac{2}{7} = \frac{18}{28} = \frac{9}{14}$$

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