

Multiplying and Dividing Whole Numbers and Fractions (A)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $7 \times \frac{11}{7} =$

3. $\frac{20}{9} \div 6 =$

4. $\frac{7}{3} \times 9 =$

5. $6 \div \frac{3}{2} =$

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

7. $\frac{17}{8} \times 4 =$

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

9. $\frac{20}{9} \times 6 =$

10. $8 \times \frac{11}{4} =$

Multiplying and Dividing Whole Numbers and Fractions (A) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

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

$$2. \quad 7 \times \frac{11}{7} = \frac{77}{7} = 11$$

$$3. \quad \frac{20}{9} \div 6 = \frac{20}{9} \div \frac{6}{1} = \frac{20}{9} \times \frac{1}{6} = \frac{20}{54} = \frac{10}{27}$$

$$4. \quad \frac{7}{3} \times 9 = \frac{63}{3} = 21$$

$$5. \quad 6 \div \frac{3}{2} = \frac{6}{1} \div \frac{3}{2} = \frac{6}{1} \times \frac{2}{3} = \frac{12}{3} = 4$$

$$6. \quad \frac{8}{5} \div 8 = \frac{8}{5} \div \frac{8}{1} = \frac{8}{5} \times \frac{1}{8} = \frac{8}{40} = \frac{1}{5}$$

$$7. \quad \frac{17}{8} \times 4 = \frac{68}{8} = \frac{17}{2} = 8\frac{1}{2}$$

$$8. \quad \frac{5}{3} \div 5 = \frac{5}{3} \div \frac{5}{1} = \frac{5}{3} \times \frac{1}{5} = \frac{5}{15} = \frac{1}{3}$$

$$9. \quad \frac{20}{9} \times 6 = \frac{120}{9} = \frac{40}{3} = 13\frac{1}{3}$$

$$10. \quad 8 \times \frac{11}{4} = \frac{88}{4} = 22$$

Multiplying and Dividing Whole Numbers and Fractions (B)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

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

4. $\frac{15}{7} \times 7 =$

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

6. $8 \times \frac{5}{2} =$

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

8. $4 \times \frac{9}{8} =$

9. $3 \div \frac{15}{8} =$

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

Multiplying and Dividing Whole Numbers and Fractions (B) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 2 \times \frac{7}{4} = \frac{14}{4} = \frac{7}{2} = 3\frac{1}{2}$$

$$2. \quad \frac{4}{3} \div 4 = \frac{4}{3} \div \frac{4}{1} = \frac{4}{3} \times \frac{1}{4} = \frac{4}{12} = \frac{1}{3}$$

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

$$4. \quad \frac{15}{7} \times 7 = \frac{105}{7} = 15$$

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

$$6. \quad 8 \times \frac{5}{2} = \frac{40}{2} = 20$$

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

$$8. \quad 4 \times \frac{9}{8} = \frac{36}{8} = \frac{9}{2} = 4\frac{1}{2}$$

$$9. \quad 3 \div \frac{15}{8} = \frac{3}{1} \div \frac{15}{8} = \frac{3}{1} \times \frac{8}{15} = \frac{24}{15} = \frac{8}{5} = 1\frac{3}{5}$$

$$10. \quad \frac{7}{3} \div 7 = \frac{7}{3} \div \frac{7}{1} = \frac{7}{3} \times \frac{1}{7} = \frac{7}{21} = \frac{1}{3}$$

Multiplying and Dividing Whole Numbers and Fractions (C)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $2 \times \frac{15}{8} =$

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

3. $\frac{15}{8} \div 6 =$

4. $4 \times \frac{11}{8} =$

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

6. $3 \times \frac{4}{3} =$

7. $4 \div \frac{18}{7} =$

8. $\frac{15}{7} \div 9 =$

9. $\frac{12}{5} \div 8 =$

10. $\frac{6}{5} \div 9 =$

Multiplying and Dividing Whole Numbers and Fractions (C) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 2 \times \frac{15}{8} = \frac{30}{8} = \frac{15}{4} = 3\frac{3}{4}$$

$$2. \quad \frac{7}{5} \times 5 = \frac{35}{5} = 7$$

$$3. \quad \frac{15}{8} \div 6 = \frac{15}{8} \div \frac{6}{1} = \frac{15}{8} \times \frac{1}{6} = \frac{15}{48} = \frac{5}{16}$$

$$4. \quad 4 \times \frac{11}{8} = \frac{44}{8} = \frac{11}{2} = 5\frac{1}{2}$$

$$5. \quad 8 \times \frac{3}{2} = \frac{24}{2} = 12$$

$$6. \quad 3 \times \frac{4}{3} = \frac{12}{3} = 4$$

$$7. \quad 4 \div \frac{18}{7} = \frac{4}{1} \div \frac{18}{7} = \frac{4}{1} \times \frac{7}{18} = \frac{28}{18} = \frac{14}{9} = 1\frac{5}{9}$$

$$8. \quad \frac{15}{7} \div 9 = \frac{15}{7} \div \frac{9}{1} = \frac{15}{7} \times \frac{1}{9} = \frac{15}{63} = \frac{5}{21}$$

$$9. \quad \frac{12}{5} \div 8 = \frac{12}{5} \div \frac{8}{1} = \frac{12}{5} \times \frac{1}{8} = \frac{12}{40} = \frac{3}{10}$$

$$10. \quad \frac{6}{5} \div 9 = \frac{6}{5} \div \frac{9}{1} = \frac{6}{5} \times \frac{1}{9} = \frac{6}{45} = \frac{2}{15}$$

Multiplying and Dividing Whole Numbers and Fractions (D)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $3 \times \frac{22}{9} =$

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

4. $6 \div \frac{14}{9} =$

5. $\frac{9}{4} \div 6 =$

6. $\frac{12}{5} \div 8 =$

7. $\frac{15}{7} \div 6 =$

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

9. $5 \times \frac{8}{5} =$

10. $4 \times \frac{9}{4} =$

Multiplying and Dividing Whole Numbers and Fractions (D) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad \frac{7}{6} \times 8 = \frac{56}{6} = \frac{28}{3} = 9\frac{1}{3}$$

$$2. \quad 3 \times \frac{22}{9} = \frac{66}{9} = \frac{22}{3} = 7\frac{1}{3}$$

$$3. \quad \frac{3}{2} \times 6 = \frac{18}{2} = 9$$

$$4. \quad 6 \div \frac{14}{9} = \frac{6}{1} \div \frac{14}{9} = \frac{6}{1} \times \frac{9}{14} = \frac{54}{14} = \frac{27}{7} = 3\frac{6}{7}$$

$$5. \quad \frac{9}{4} \div 6 = \frac{9}{4} \div \frac{6}{1} = \frac{9}{4} \times \frac{1}{6} = \frac{9}{24} = \frac{3}{8}$$

$$6. \quad \frac{12}{5} \div 8 = \frac{12}{5} \div \frac{8}{1} = \frac{12}{5} \times \frac{1}{8} = \frac{12}{40} = \frac{3}{10}$$

$$7. \quad \frac{15}{7} \div 6 = \frac{15}{7} \div \frac{6}{1} = \frac{15}{7} \times \frac{1}{6} = \frac{15}{42} = \frac{5}{14}$$

$$8. \quad 9 \div \frac{9}{4} = \frac{9}{1} \div \frac{9}{4} = \frac{9}{1} \times \frac{4}{9} = \frac{36}{9} = 4$$

$$9. \quad 5 \times \frac{8}{5} = \frac{40}{5} = 8$$

$$10. \quad 4 \times \frac{9}{4} = \frac{36}{4} = 9$$

Multiplying and Dividing Whole Numbers and Fractions (E)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

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

4. $6 \div \frac{14}{9} =$

5. $\frac{14}{5} \div 2 =$

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

7. $3 \times \frac{14}{9} =$

8. $\frac{14}{5} \times 5 =$

9. $9 \times \frac{8}{3} =$

10. $\frac{5}{2} \times 6 =$

Multiplying and Dividing Whole Numbers and Fractions (E) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

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

$$4. \quad 6 \div \frac{14}{9} = \frac{6}{1} \div \frac{14}{9} = \frac{6}{1} \times \frac{9}{14} = \frac{54}{14} = \frac{27}{7} = 3\frac{6}{7}$$

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

$$6. \quad \frac{5}{3} \div 5 = \frac{5}{3} \div \frac{5}{1} = \frac{5}{3} \times \frac{1}{5} = \frac{5}{15} = \frac{1}{3}$$

$$7. \quad 3 \times \frac{14}{9} = \frac{42}{9} = \frac{14}{3} = 4\frac{2}{3}$$

$$8. \quad \frac{14}{5} \times 5 = \frac{70}{5} = 14$$

$$9. \quad 9 \times \frac{8}{3} = \frac{72}{3} = 24$$

$$10. \quad \frac{5}{2} \times 6 = \frac{30}{2} = 15$$

Multiplying and Dividing Whole Numbers and Fractions (F)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $7 \div \frac{7}{4} =$

2. $6 \times \frac{9}{4} =$

3. $5 \times \frac{12}{5} =$

4. $\frac{6}{5} \div 6 =$

5. $\frac{18}{7} \times 7 =$

6. $4 \div \frac{8}{3} =$

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

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

9. $\frac{7}{3} \times 6 =$

10. $\frac{20}{7} \div 2 =$

Multiplying and Dividing Whole Numbers and Fractions (F) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 7 \div \frac{7}{4} = \frac{7}{1} \div \frac{7}{4} = \frac{7}{1} \times \frac{4}{7} = \frac{28}{7} = 4$$

$$2. \quad 6 \times \frac{9}{4} = \frac{54}{4} = \frac{27}{2} = 13\frac{1}{2}$$

$$3. \quad 5 \times \frac{12}{5} = \frac{60}{5} = 12$$

$$4. \quad \frac{6}{5} \div 6 = \frac{6}{5} \div \frac{6}{1} = \frac{6}{5} \times \frac{1}{6} = \frac{6}{30} = \frac{1}{5}$$

$$5. \quad \frac{18}{7} \times 7 = \frac{126}{7} = 18$$

$$6. \quad 4 \div \frac{8}{3} = \frac{4}{1} \div \frac{8}{3} = \frac{4}{1} \times \frac{3}{8} = \frac{12}{8} = \frac{3}{2} = 1\frac{1}{2}$$

$$7. \quad \frac{5}{4} \times 2 = \frac{10}{4} = \frac{5}{2} = 2\frac{1}{2}$$

$$8. \quad 9 \div \frac{9}{4} = \frac{9}{1} \div \frac{9}{4} = \frac{9}{1} \times \frac{4}{9} = \frac{36}{9} = 4$$

$$9. \quad \frac{7}{3} \times 6 = \frac{42}{3} = 14$$

$$10. \quad \frac{20}{7} \div 2 = \frac{20}{7} \div \frac{2}{1} = \frac{20}{7} \times \frac{1}{2} = \frac{20}{14} = \frac{10}{7} = 1\frac{3}{7}$$

Multiplying and Dividing Whole Numbers and Fractions (G)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $\frac{20}{7} \div 8 =$

2. $2 \div \frac{12}{7} =$

3. $\frac{20}{9} \div 6 =$

4. $9 \times \frac{7}{3} =$

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

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

7. $\frac{25}{9} \times 3 =$

8. $5 \times \frac{6}{5} =$

9. $\frac{7}{5} \times 5 =$

10. $\frac{5}{3} \times 3 =$

Multiplying and Dividing Whole Numbers and Fractions (G) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \frac{20}{7} \div 8 = \frac{20}{7} \div \frac{8}{1} = \frac{20}{7} \times \frac{1}{8} = \frac{20}{56} = \frac{5}{14}$$

$$2. 2 \div \frac{12}{7} = \frac{2}{1} \div \frac{12}{7} = \frac{2}{1} \times \frac{7}{12} = \frac{14}{12} = \frac{7}{6} = 1\frac{1}{6}$$

$$3. \frac{20}{9} \div 6 = \frac{20}{9} \div \frac{6}{1} = \frac{20}{9} \times \frac{1}{6} = \frac{20}{54} = \frac{10}{27}$$

$$4. 9 \times \frac{7}{3} = \frac{63}{3} = 21$$

$$5. \frac{4}{3} \div 2 = \frac{4}{3} \div \frac{2}{1} = \frac{4}{3} \times \frac{1}{2} = \frac{4}{6} = \frac{2}{3}$$

$$6. \frac{8}{3} \div 4 = \frac{8}{3} \div \frac{4}{1} = \frac{8}{3} \times \frac{1}{4} = \frac{8}{12} = \frac{2}{3}$$

$$7. \frac{25}{9} \times 3 = \frac{75}{9} = \frac{25}{3} = 8\frac{1}{3}$$

$$8. 5 \times \frac{6}{5} = \frac{30}{5} = 6$$

$$9. \frac{7}{5} \times 5 = \frac{35}{5} = 7$$

$$10. \frac{5}{3} \times 3 = \frac{15}{3} = 5$$

Multiplying and Dividing Whole Numbers and Fractions (H)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $9 \div \frac{9}{4} =$

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

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

5. $3 \times \frac{11}{9} =$

6. $\frac{9}{8} \times 4 =$

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

8. $9 \times \frac{23}{9} =$

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

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

Multiplying and Dividing Whole Numbers and Fractions (H) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 6 \div \frac{3}{2} = \frac{6}{1} \div \frac{3}{2} = \frac{6}{1} \times \frac{2}{3} = \frac{12}{3} = 4$$

$$2. \quad 9 \div \frac{9}{4} = \frac{9}{1} \div \frac{9}{4} = \frac{9}{1} \times \frac{4}{9} = \frac{36}{9} = 4$$

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

$$4. \quad \frac{3}{2} \times 6 = \frac{18}{2} = 9$$

$$5. \quad 3 \times \frac{11}{9} = \frac{33}{9} = \frac{11}{3} = 3\frac{2}{3}$$

$$6. \quad \frac{9}{8} \times 4 = \frac{36}{8} = \frac{9}{2} = 4\frac{1}{2}$$

$$7. \quad \frac{8}{3} \div 6 = \frac{8}{3} \div \frac{6}{1} = \frac{8}{3} \times \frac{1}{6} = \frac{8}{18} = \frac{4}{9}$$

$$8. \quad 9 \times \frac{23}{9} = \frac{207}{9} = 23$$

$$9. \quad 7 \div \frac{7}{3} = \frac{7}{1} \div \frac{7}{3} = \frac{7}{1} \times \frac{3}{7} = \frac{21}{7} = 3$$

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

Multiplying and Dividing Whole Numbers and Fractions (I)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $2 \times \frac{11}{4} =$

2. $\frac{6}{5} \div 2 =$

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

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

5. $2 \div \frac{8}{3} =$

6. $\frac{5}{4} \times 6 =$

7. $5 \times \frac{11}{5} =$

8. $4 \times \frac{11}{4} =$

9. $\frac{9}{5} \times 5 =$

10. $\frac{15}{8} \div 6 =$

Multiplying and Dividing Whole Numbers and Fractions (I) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 2 \times \frac{11}{4} = \frac{22}{4} = \frac{11}{2} = 5\frac{1}{2}$$

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

$$3. \quad 6 \div \frac{6}{5} = \frac{6}{1} \div \frac{6}{5} = \frac{6}{1} \times \frac{5}{6} = \frac{30}{6} = 5$$

$$4. \quad \frac{5}{2} \div 5 = \frac{5}{2} \div \frac{5}{1} = \frac{5}{2} \times \frac{1}{5} = \frac{5}{10} = \frac{1}{2}$$

$$5. \quad 2 \div \frac{8}{3} = \frac{2}{1} \div \frac{8}{3} = \frac{2}{1} \times \frac{3}{8} = \frac{6}{8} = \frac{3}{4}$$

$$6. \quad \frac{5}{4} \times 6 = \frac{30}{4} = \frac{15}{2} = 7\frac{1}{2}$$

$$7. \quad 5 \times \frac{11}{5} = \frac{55}{5} = 11$$

$$8. \quad 4 \times \frac{11}{4} = \frac{44}{4} = 11$$

$$9. \quad \frac{9}{5} \times 5 = \frac{45}{5} = 9$$

$$10. \quad \frac{15}{8} \div 6 = \frac{15}{8} \div \frac{6}{1} = \frac{15}{8} \times \frac{1}{6} = \frac{15}{48} = \frac{5}{16}$$

Multiplying and Dividing Whole Numbers and Fractions (J)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $\frac{25}{9} \times 3 =$

2. $6 \div \frac{4}{3} =$

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

4. $\frac{14}{5} \div 2 =$

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

6. $9 \div \frac{3}{2} =$

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

8. $\frac{11}{6} \times 8 =$

9. $9 \times \frac{13}{9} =$

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

Multiplying and Dividing Whole Numbers and Fractions (J) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \frac{25}{9} \times 3 = \frac{75}{9} = \frac{25}{3} = 8\frac{1}{3}$$

$$2. 6 \div \frac{4}{3} = \frac{6}{1} \div \frac{4}{3} = \frac{6}{1} \times \frac{3}{4} = \frac{18}{4} = \frac{9}{2} = 4\frac{1}{2}$$

$$3. 2 \div \frac{8}{3} = \frac{2}{1} \div \frac{8}{3} = \frac{2}{1} \times \frac{3}{8} = \frac{6}{8} = \frac{3}{4}$$

$$4. \frac{14}{5} \div 2 = \frac{14}{5} \div \frac{2}{1} = \frac{14}{5} \times \frac{1}{2} = \frac{14}{10} = \frac{7}{5} = 1\frac{2}{5}$$

$$5. \frac{8}{7} \div 4 = \frac{8}{7} \div \frac{4}{1} = \frac{8}{7} \times \frac{1}{4} = \frac{8}{28} = \frac{2}{7}$$

$$6. 9 \div \frac{3}{2} = \frac{9}{1} \div \frac{3}{2} = \frac{9}{1} \times \frac{2}{3} = \frac{18}{3} = 6$$

$$7. \frac{10}{9} \times 3 = \frac{30}{9} = \frac{10}{3} = 3\frac{1}{3}$$

$$8. \frac{11}{6} \times 8 = \frac{88}{6} = \frac{44}{3} = 14\frac{2}{3}$$

$$9. 9 \times \frac{13}{9} = \frac{117}{9} = 13$$

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