

GRADE 5 • WORKBOOK

Grade 5 Math: Fractions & Decimals

All four operations with fractions and decimals.



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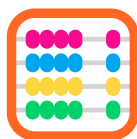
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35 pages • syllabus • answer key included



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Grade 5 Math: Fractions & Decimals



Add, subtract, multiply and divide fractions and decimals with step-by-step practice and word problems.

How to use this workbook

Work through the chapters in order, or jump to the skill your child needs most.
Each skill has three different sheets (A, B and C) so you can practise, review and test.
Do one or two sheets a day. Short, regular practice works better than long sessions.
Check answers using the answer key at the back of the book, then talk about any mistakes.
Print the pages you need on A4 or Letter paper; scale to fit if your printer asks.

What your child will learn

Simplifying Fractions

Adding Fractions (Different Denominators)

Subtracting Fractions

Multiplying Fractions

Dividing Fractions

Adding Decimals

Subtracting Decimals

Multiplying Decimals

Dividing Decimals

Decimals to Fractions

Fractions, Decimals and Percents

This workbook is free to print for home and classroom use. It may not be sold or republished. More free books and worksheets: printableworksheetsforkids.pages.dev

Syllabus: what is inside

Welcome and how to use this book**p. 1**

How the workbook works and what your child will learn

1 Fractions**p. 3–17**Simplifying Fractions · Adding Fractions (Different Denominators) · Subtracting Fractions · Multiplying Fractions ·
Dividing Fractions**2 Decimals****p. 18–29**

Adding Decimals · Subtracting Decimals · Multiplying Decimals · Dividing Decimals

3 Conversions**p. 30–35**

Decimals to Fractions · Fractions, Decimals and Percents

Answer key**p. 36**

Answers for every sheet in the book



Simplifying Fractions

Name: _____

Date: _____

Score: _____

Write each fraction in simplest form.

1 $\frac{2}{10} = \square / \square$

2 $\frac{2}{20} = \square / \square$

3 $\frac{2}{4} = \square / \square$

4 $\frac{8}{12} = \square / \square$

5 $\frac{4}{10} = \square / \square$

6 $\frac{7}{14} = \square / \square$

7 $\frac{2}{22} = \square / \square$

8 $\frac{8}{24} = \square / \square$

9 $\frac{15}{20} = \square / \square$

10 $\frac{4}{8} = \square / \square$

11 $\frac{16}{24} = \square / \square$

12 $\frac{14}{20} = \square / \square$



Simplifying Fractions

Name: _____

Date: _____

Score: _____

Write each fraction in simplest form.

1 $\frac{22}{24} = \square / \square$

2 $\frac{2}{18} = \square / \square$

3 $\frac{4}{10} = \square / \square$

4 $\frac{6}{24} = \square / \square$

5 $\frac{2}{14} = \square / \square$

6 $\frac{8}{12} = \square / \square$

7 $\frac{9}{12} = \square / \square$

8 $\frac{9}{21} = \square / \square$

9 $\frac{4}{12} = \square / \square$

10 $\frac{8}{20} = \square / \square$

11 $\frac{7}{14} = \square / \square$

12 $\frac{4}{20} = \square / \square$



Simplifying Fractions

Name: _____

Date: _____

Score: _____

Write each fraction in simplest form.

1 $\frac{12}{22} = \square / \square$

2 $\frac{9}{24} = \square / \square$

3 $\frac{6}{20} = \square / \square$

4 $\frac{6}{24} = \square / \square$

5 $\frac{5}{20} = \square / \square$

6 $\frac{4}{20} = \square / \square$

7 $\frac{6}{12} = \square / \square$

8 $\frac{15}{21} = \square / \square$

9 $\frac{14}{21} = \square / \square$

10 $\frac{10}{16} = \square / \square$

11 $\frac{4}{8} = \square / \square$

12 $\frac{3}{21} = \square / \square$



Adding Fractions (Different Denominators)

Name: _____ Date: _____ Score: _____

Work out each answer. Write it in simplest form.

$$1 \quad \frac{2}{5} + \frac{2}{3} = \boxed{}$$

$$2 \quad \frac{3}{4} + \frac{1}{5} = \boxed{}$$

$$3 \quad \frac{7}{8} + \frac{4}{5} = \boxed{}$$

$$4 \quad \frac{1}{2} + \frac{4}{5} = \boxed{}$$

$$5 \quad \frac{2}{3} + \frac{1}{4} = \boxed{}$$

$$6 \quad \frac{1}{3} + \frac{1}{5} = \boxed{}$$

$$7 \quad \frac{1}{3} + \frac{2}{3} = \boxed{}$$

$$8 \quad \frac{1}{3} + \frac{1}{2} = \boxed{}$$

$$9 \quad \frac{1}{2} + \frac{1}{3} = \boxed{}$$

$$10 \quad \frac{1}{2} + \frac{1}{6} = \boxed{}$$

$$11 \quad \frac{2}{3} + \frac{2}{3} = \boxed{}$$

$$12 \quad \frac{7}{8} + \frac{3}{4} = \boxed{}$$



Adding Fractions (Different Denominators)

Name: _____ Date: _____ Score: _____

Work out each answer. Write it in simplest form.

1 $\frac{3}{4} + \frac{5}{6} = \square$

2 $\frac{1}{4} + \frac{1}{6} = \square$

3 $\frac{3}{4} + \frac{1}{3} = \square$

4 $\frac{2}{5} + \frac{3}{5} = \square$

5 $\frac{1}{3} + \frac{1}{2} = \square$

6 $\frac{1}{8} + \frac{3}{4} = \square$

7 $\frac{1}{2} + \frac{3}{4} = \square$

8 $\frac{3}{5} + \frac{1}{4} = \square$

9 $\frac{1}{2} + \frac{1}{2} = \square$

10 $\frac{3}{4} + \frac{4}{5} = \square$

11 $\frac{1}{2} + \frac{2}{3} = \square$

12 $\frac{1}{2} + \frac{3}{10} = \square$



Adding Fractions (Different Denominators)

Name: _____ Date: _____ Score: _____

Work out each answer. Write it in simplest form.

1 $\frac{2}{3} + \frac{1}{4} = \square$

2 $\frac{1}{4} + \frac{1}{3} = \square$

3 $\frac{2}{5} + \frac{2}{3} = \square$

4 $\frac{3}{4} + \frac{1}{5} = \square$

5 $\frac{1}{4} + \frac{5}{8} = \square$

6 $\frac{1}{2} + \frac{9}{10} = \square$

7 $\frac{1}{4} + \frac{3}{5} = \square$

8 $\frac{1}{2} + \frac{4}{5} = \square$

9 $\frac{1}{2} + \frac{1}{10} = \square$

10 $\frac{2}{3} + \frac{1}{2} = \square$

11 $\frac{7}{10} + \frac{1}{2} = \square$

12 $\frac{1}{2} + \frac{1}{8} = \square$



Subtracting Fractions

Name: _____

Date: _____

Score: _____

Work out each answer. Write it in simplest form.

$$1 \quad \frac{3}{4} - \frac{1}{10} = \boxed{}$$

$$2 \quad \frac{3}{4} - \frac{1}{3} = \boxed{}$$

$$3 \quad \frac{3}{5} - \frac{1}{3} = \boxed{}$$

$$4 \quad \frac{2}{3} - \frac{1}{2} = \boxed{}$$

$$5 \quad \frac{2}{3} - \frac{1}{3} = \boxed{}$$

$$6 \quad \frac{5}{6} - \frac{3}{5} = \boxed{}$$

$$7 \quad \frac{4}{5} - \frac{1}{2} = \boxed{}$$

$$8 \quad \frac{2}{5} - \frac{1}{10} = \boxed{}$$

$$9 \quad \frac{1}{2} - \frac{3}{8} = \boxed{}$$

$$10 \quad \frac{1}{3} - \frac{1}{5} = \boxed{}$$

$$11 \quad \frac{7}{10} - \frac{1}{5} = \boxed{}$$

$$12 \quad \frac{1}{2} - \frac{1}{6} = \boxed{}$$



Subtracting Fractions

Name: _____

Date: _____

Score: _____

Work out each answer. Write it in simplest form.

1 $\frac{3}{4} - \frac{3}{5} = \square$

2 $\frac{4}{5} - \frac{1}{2} = \square$

3 $\frac{1}{2} - \frac{1}{5} = \square$

4 $\frac{2}{3} - \frac{1}{2} = \square$

5 $\frac{1}{2} - \frac{3}{8} = \square$

6 $\frac{3}{4} - \frac{1}{2} = \square$

7 $\frac{1}{2} - \frac{1}{3} = \square$

8 $\frac{3}{4} - \frac{1}{3} = \square$

9 $\frac{2}{3} - \frac{5}{8} = \square$

10 $\frac{3}{4} - \frac{2}{3} = \square$

11 $\frac{2}{3} - \frac{1}{3} = \square$

12 $\frac{2}{3} - \frac{3}{5} = \square$



Subtracting Fractions

Name: _____

Date: _____

Score: _____

Work out each answer. Write it in simplest form.

$$1 \quad \frac{3}{4} - \frac{1}{2} = \boxed{}$$

$$2 \quad \frac{9}{10} - \frac{1}{2} = \boxed{}$$

$$3 \quad \frac{3}{4} - \frac{2}{3} = \boxed{}$$

$$4 \quad \frac{4}{5} - \frac{1}{4} = \boxed{}$$

$$5 \quad \frac{3}{5} - \frac{1}{8} = \boxed{}$$

$$6 \quad \frac{1}{2} - \frac{2}{5} = \boxed{}$$

$$7 \quad \frac{1}{2} - \frac{1}{3} = \boxed{}$$

$$8 \quad \frac{1}{2} - \frac{3}{8} = \boxed{}$$

$$9 \quad \frac{7}{10} - \frac{1}{2} = \boxed{}$$

$$10 \quad \frac{1}{2} - \frac{1}{10} = \boxed{}$$

$$11 \quad \frac{5}{6} - \frac{1}{6} = \boxed{}$$

$$12 \quad \frac{9}{10} - \frac{1}{3} = \boxed{}$$



Multiplying Fractions

Name: _____

Date: _____

Score: _____

Work out each answer. Write it in simplest form.

$$1 \quad \frac{1}{10} \times \frac{1}{2} = \boxed{}$$

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

$$3 \quad \frac{3}{5} \times \frac{1}{3} = \boxed{}$$

$$4 \quad \frac{1}{2} \times \frac{1}{2} = \boxed{}$$

$$5 \quad \frac{1}{3} \times \frac{1}{4} = \boxed{}$$

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

$$7 \quad \frac{2}{3} \times \frac{1}{2} = \boxed{}$$

$$8 \quad \frac{3}{4} \times \frac{1}{2} = \boxed{}$$

$$9 \quad \frac{7}{10} \times \frac{1}{2} = \boxed{}$$

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

$$11 \quad \frac{1}{3} \times \frac{1}{5} = \boxed{}$$

$$12 \quad \frac{3}{5} \times \frac{1}{2} = \boxed{}$$



Multiplying Fractions

Name: _____

Date: _____

Score: _____

Work out each answer. Write it in simplest form.

1 $\frac{1}{2} \times \frac{4}{5} = \square$

2 $\frac{1}{2} \times \frac{1}{2} = \square$

3 $\frac{1}{5} \times \frac{1}{6} = \square$

4 $\frac{4}{5} \times \frac{3}{4} = \square$

5 $\frac{7}{10} \times \frac{4}{5} = \square$

6 $\frac{2}{3} \times \frac{3}{5} = \square$

7 $\frac{7}{10} \times \frac{1}{2} = \square$

8 $\frac{9}{10} \times \frac{1}{4} = \square$

9 $\frac{3}{4} \times \frac{2}{3} = \square$

10 $\frac{5}{6} \times \frac{1}{5} = \square$

11 $\frac{3}{5} \times \frac{3}{4} = \square$

12 $\frac{4}{5} \times \frac{1}{3} = \square$



Multiplying Fractions

Name: _____

Date: _____

Score: _____

Work out each answer. Write it in simplest form.

1 $\frac{1}{4} \times \frac{1}{2} = \square$

2 $\frac{1}{10} \times \frac{1}{2} = \square$

3 $\frac{4}{5} \times \frac{3}{4} = \square$

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

5 $\frac{3}{8} \times \frac{7}{8} = \square$

6 $\frac{1}{5} \times \frac{5}{6} = \square$

7 $\frac{1}{3} \times \frac{2}{3} = \square$

8 $\frac{1}{10} \times \frac{7}{10} = \square$

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

10 $\frac{2}{5} \times \frac{1}{2} = \square$

11 $\frac{1}{5} \times \frac{9}{10} = \square$

12 $\frac{1}{5} \times \frac{3}{8} = \square$



Dividing Fractions

Name: _____

Date: _____

Score: _____

Work out each answer. Write it in simplest form.

$$1 \quad \frac{1}{6} \div \frac{1}{2} = \boxed{}$$

$$2 \quad \frac{3}{5} \div \frac{2}{5} = \boxed{}$$

$$3 \quad \frac{4}{5} \div \frac{2}{3} = \boxed{}$$

$$4 \quad \frac{2}{3} \div \frac{1}{5} = \boxed{}$$

$$5 \quad \frac{1}{2} \div \frac{3}{4} = \boxed{}$$

$$6 \quad \frac{1}{4} \div \frac{2}{3} = \boxed{}$$

$$7 \quad \frac{7}{8} \div \frac{5}{8} = \boxed{}$$

$$8 \quad \frac{1}{2} \div \frac{1}{2} = \boxed{}$$

$$9 \quad \frac{1}{3} \div \frac{4}{5} = \boxed{}$$

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

$$11 \quad \frac{4}{5} \div \frac{1}{3} = \boxed{}$$

$$12 \quad \frac{2}{3} \div \frac{3}{5} = \boxed{}$$



Dividing Fractions

Name: _____

Date: _____

Score: _____

Work out each answer. Write it in simplest form.

1 $\frac{2}{3} \div \frac{1}{2} = \square$

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

3 $\frac{3}{8} \div \frac{1}{2} = \square$

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

5 $\frac{1}{2} \div \frac{1}{3} = \square$

6 $\frac{1}{5} \div \frac{3}{10} = \square$

7 $\frac{4}{5} \div \frac{1}{3} = \square$

8 $\frac{1}{2} \div \frac{1}{4} = \square$

9 $\frac{1}{2} \div \frac{3}{5} = \square$

10 $\frac{7}{8} \div \frac{9}{10} = \square$

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

12 $\frac{5}{8} \div \frac{2}{3} = \square$



Dividing Fractions

Name: _____

Date: _____

Score: _____

Work out each answer. Write it in simplest form.

1 $\frac{1}{2} \div \frac{1}{6} = \square$

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

3 $\frac{1}{3} \div \frac{1}{6} = \square$

4 $\frac{1}{2} \div \frac{1}{2} = \square$

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

6 $\frac{2}{3} \div \frac{3}{8} = \square$

7 $\frac{1}{2} \div \frac{2}{3} = \square$

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

9 $\frac{1}{3} \div \frac{5}{6} = \square$

10 $\frac{2}{5} \div \frac{1}{2} = \square$

11 $\frac{4}{5} \div \frac{1}{2} = \square$

12 $\frac{3}{8} \div \frac{5}{6} = \square$



Adding Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $88.61 + 57.59 =$

2 $34.17 + 77.90 =$

3 $60.70 + 19.17 =$

4 $26.84 + 51.59 =$

5 $53.82 + 46.61 =$

6 $12.49 + 1.98 =$

7 $85.72 + 40.53 =$

8 $70.53 + 19.53 =$

9 $2.99 + 3.67 =$

10 $60.38 + 74.84 =$

11 $79.83 + 73.70 =$

12 $62.39 + 58.19 =$



Adding Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $60.62 + 82.52 =$

2 $62.98 + 65.55 =$

3 $31.33 + 44.21 =$

4 $94.14 + 81.00 =$

5 $10.32 + 70.01 =$

6 $47.50 + 64.00 =$

7 $11.51 + 65.82 =$

8 $99.20 + 88.45 =$

9 $68.67 + 65.70 =$

10 $29.94 + 16.41 =$

11 $67.09 + 40.62 =$

12 $74.15 + 71.94 =$



Adding Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $48.33 + 37.71 =$

2 $84.36 + 16.41 =$

3 $55.93 + 70.88 =$

4 $37.67 + 63.76 =$

5 $28.61 + 86.59 =$

6 $14.63 + 15.58 =$

7 $74.95 + 43.63 =$

8 $22.82 + 60.17 =$

9 $77.92 + 48.71 =$

10 $35.03 + 92.41 =$

11 $93.35 + 64.39 =$

12 $28.85 + 58.21 =$



Subtracting Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $79.08 - 9.85 =$

2 $99.56 - 31.07 =$

3 $89.14 - 59.67 =$

4 $86.60 - 10.71 =$

5 $91.76 - 25.69 =$

6 $65.70 - 60.13 =$

7 $72.75 - 72.13 =$

8 $89.67 - 78.46 =$

9 $32.53 - 31.19 =$

10 $29.15 - 25.23 =$

11 $26.45 - 7.11 =$

12 $72.90 - 67.14 =$



Subtracting Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $19.54 - 14.57 =$

2 $87.96 - 39.05 =$

3 $70.61 - 48.17 =$

4 $93.37 - 90.67 =$

5 $88.49 - 68.57 =$

6 $68.87 - 7.34 =$

7 $86.01 - 34.88 =$

8 $91.87 - 89.27 =$

9 $6.04 - 5.07 =$

10 $87.43 - 74.19 =$

11 $84.25 - 6.65 =$

12 $99.77 - 49.95 =$



Subtracting Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $91.29 - 73.81 =$

2 $81.04 - 26.85 =$

3 $38.25 - 37.22 =$

4 $95.64 - 77.59 =$

5 $63.01 - 22.82 =$

6 $50.92 - 29.06 =$

7 $90.31 - 78.21 =$

8 $78.35 - 65.27 =$

9 $58.68 - 1.43 =$

10 $68.05 - 24.12 =$

11 $50.80 - 46.82 =$

12 $72.85 - 1.63 =$



Multiplying Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $1.3 \times 3 =$

2 $4.5 \times 9 =$

3 $4.0 \times 7 =$

4 $6.1 \times 2 =$

5 $7.2 \times 3 =$

6 $5.2 \times 5 =$

7 $1.8 \times 2 =$

8 $2.3 \times 2 =$

9 $2.2 \times 5 =$

10 $3.9 \times 2 =$

11 $5.2 \times 8 =$

12 $4.2 \times 8 =$



Multiplying Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $9.8 \times 3 =$

2 $3.7 \times 9 =$

3 $5.7 \times 6 =$

4 $4.8 \times 3 =$

5 $7.5 \times 8 =$

6 $3.3 \times 7 =$

7 $7.7 \times 9 =$

8 $9.6 \times 9 =$

9 $8.9 \times 3 =$

10 $9.8 \times 2 =$

11 $6.1 \times 4 =$

12 $1.7 \times 5 =$



Multiplying Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $5.0 \times 4 =$

2 $6.4 \times 5 =$

3 $8.0 \times 2 =$

4 $7.9 \times 9 =$

5 $5.6 \times 3 =$

6 $1.4 \times 9 =$

7 $7.0 \times 4 =$

8 $5.4 \times 8 =$

9 $4.3 \times 9 =$

10 $2.0 \times 6 =$

11 $2.8 \times 6 =$

12 $8.9 \times 7 =$



Dividing Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $20.7 \div 9 =$

2 $37.1 \div 7 =$

3 $42.0 \div 7 =$

4 $32.5 \div 5 =$

5 $14.0 \div 5 =$

6 $12.8 \div 8 =$

7 $31.6 \div 4 =$

8 $6.5 \div 5 =$

9 $38.0 \div 4 =$

10 $31.2 \div 4 =$

11 $37.8 \div 7 =$

12 $28.4 \div 4 =$



Dividing Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $27.6 \div 4 =$

2 $11.0 \div 5 =$

3 $25.6 \div 4 =$

4 $30.6 \div 6 =$

5 $49.5 \div 5 =$

6 $13.2 \div 4 =$

7 $62.3 \div 7 =$

8 $26.1 \div 9 =$

9 $48.8 \div 8 =$

10 $32.4 \div 6 =$

11 $78.3 \div 9 =$

12 $45.9 \div 9 =$



Dividing Decimals

Name: _____

Date: _____

Score: _____

Line up the decimal points and work out each answer.

1 $60.3 \div 9 =$

2 $4.8 \div 3 =$

3 $13.8 \div 3 =$

4 $48.6 \div 6 =$

5 $8.2 \div 2 =$

6 $8.0 \div 4 =$

7 $20.0 \div 5 =$

8 $7.2 \div 4 =$

9 $4.8 \div 4 =$

10 $17.0 \div 5 =$

11 $16.2 \div 6 =$

12 $43.2 \div 6 =$

Decimals to Fractions

Name: _____ Date: _____ Score: _____

Write each decimal as a fraction with a denominator of 100, then simplify.

$$1 \quad 0.20 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$2 \quad 0.45 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$3 \quad 0.50 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$4 \quad 0.15 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$5 \quad 0.01 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$6 \quad 0.85 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$7 \quad 0.05 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$8 \quad 0.09 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$9 \quad 0.25 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$10 \quad 0.40 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$11 \quad 0.05 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$12 \quad 0.02 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$13 \quad 0.35 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$14 \quad 0.10 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

Decimals to Fractions

Name: _____ Date: _____ Score: _____

Write each decimal as a fraction with a denominator of 100, then simplify.

$$1 \quad 0.50 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$2 \quad 0.09 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$3 \quad 0.95 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$4 \quad 0.70 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$5 \quad 0.10 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$6 \quad 0.65 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$7 \quad 0.30 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$8 \quad 0.06 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$9 \quad 0.40 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$10 \quad 0.20 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$11 \quad 0.45 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$12 \quad 0.04 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$13 \quad 0.35 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$14 \quad 0.15 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

Decimals to Fractions

Name: _____ Date: _____ Score: _____

Write each decimal as a fraction with a denominator of 100, then simplify.

$$1 \quad 0.07 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$2 \quad 0.95 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$3 \quad 0.70 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$4 \quad 0.05 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$5 \quad 0.20 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$6 \quad 0.85 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$7 \quad 0.50 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$8 \quad 0.40 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$9 \quad 0.03 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$10 \quad 0.35 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$11 \quad 0.05 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$12 \quad 0.04 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$13 \quad 0.65 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

$$14 \quad 0.06 = \frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$



Fractions, Decimals and Percents

Name: _____

Date: _____

Score: _____

Convert between fractions, decimals and percents. (Fill both boxes in each row.)

1 $\frac{3}{25} = \boxed{} = \boxed{}$

2 $0.25 = \boxed{} = \boxed{}$

3 $80\% = \boxed{} = \boxed{}$

4 $\frac{3}{4} = \boxed{} = \boxed{}$

5 $0.9 = \boxed{} = \boxed{}$

6 $10\% = \boxed{} = \boxed{}$

7 $\frac{1}{25} = \boxed{} = \boxed{}$

8 $0.7 = \boxed{} = \boxed{}$

9 $50\% = \boxed{} = \boxed{}$

10 $\frac{1}{20} = \boxed{} = \boxed{}$



Fractions, Decimals and Percents

Name: _____

Date: _____

Score: _____

Convert between fractions, decimals and percents. (Fill both boxes in each row.)

1 $\frac{1}{10} = \boxed{} = \boxed{}$

2 $0.2 = \boxed{} = \boxed{}$

3 $60\% = \boxed{} = \boxed{}$

4 $\frac{3}{25} = \boxed{} = \boxed{}$

5 $0.8 = \boxed{} = \boxed{}$

6 $37.5\% = \boxed{} = \boxed{}$

7 $\frac{3}{20} = \boxed{} = \boxed{}$

8 $0.3 = \boxed{} = \boxed{}$

9 $5\% = \boxed{} = \boxed{}$

10 $\frac{1}{25} = \boxed{} = \boxed{}$



Fractions, Decimals and Percents

Name: _____

Date: _____

Score: _____

Convert between fractions, decimals and percents. (Fill both boxes in each row.)

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

2 $0.5 =$ $=$

3 $25\% =$ $=$

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

5 $0.125 =$ $=$

6 $12\% =$ $=$

7 $\frac{3}{8} =$ $=$

8 $0.15 =$ $=$

9 $4\% =$ $=$

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

Ch. 1 · Simplifying Fractions – Sheet A

- | | | | |
|-------------------|------------------|-------------------|--------------------|
| 1. $\frac{1}{5}$ | 4. $\frac{2}{3}$ | 7. $\frac{1}{11}$ | 10. $\frac{1}{2}$ |
| 2. $\frac{1}{10}$ | 5. $\frac{2}{5}$ | 8. $\frac{1}{3}$ | 11. $\frac{2}{3}$ |
| 3. $\frac{1}{2}$ | 6. $\frac{1}{2}$ | 9. $\frac{3}{4}$ | 12. $\frac{7}{10}$ |

Ch. 1 · Simplifying Fractions – Sheet B

- | | | | |
|--------------------|------------------|------------------|-------------------|
| 1. $\frac{11}{12}$ | 4. $\frac{1}{4}$ | 7. $\frac{3}{4}$ | 10. $\frac{2}{5}$ |
| 2. $\frac{1}{9}$ | 5. $\frac{1}{7}$ | 8. $\frac{3}{7}$ | 11. $\frac{1}{2}$ |
| 3. $\frac{2}{5}$ | 6. $\frac{2}{3}$ | 9. $\frac{1}{3}$ | 12. $\frac{1}{5}$ |

Ch. 1 · Simplifying Fractions – Sheet C

- | | | | |
|-------------------|------------------|------------------|-------------------|
| 1. $\frac{6}{11}$ | 4. $\frac{1}{4}$ | 7. $\frac{1}{2}$ | 10. $\frac{5}{8}$ |
| 2. $\frac{3}{8}$ | 5. $\frac{1}{4}$ | 8. $\frac{5}{7}$ | 11. $\frac{1}{2}$ |
| 3. $\frac{3}{10}$ | 6. $\frac{1}{5}$ | 9. $\frac{2}{3}$ | 12. $\frac{1}{7}$ |

Ch. 1 · Adding Fractions (Different Denominators) – Sheet A

- | | | | |
|--------------------------------------|-------------------------------------|------------------|------------------------------------|
| 1. $\frac{16}{15} = 1 \frac{1}{15}$ | 4. $\frac{13}{10} = 1 \frac{3}{10}$ | 7. 1 | 10. $\frac{2}{3}$ |
| 2. $\frac{19}{20}$ | 5. $\frac{11}{12}$ | 8. $\frac{5}{6}$ | 11. $\frac{4}{3} = 1 \frac{1}{3}$ |
| 3. $\frac{67}{40} = 1 \frac{27}{40}$ | 6. $\frac{8}{15}$ | 9. $\frac{5}{6}$ | 12. $\frac{13}{8} = 1 \frac{5}{8}$ |

Ch. 1 · Adding Fractions (Different Denominators) – Sheet B

- | | | | |
|-------------------------------------|------------------|----------------------------------|---------------------------------------|
| 1. $\frac{19}{12} = 1 \frac{7}{12}$ | 4. 1 | 7. $\frac{5}{4} = 1 \frac{1}{4}$ | 10. $\frac{31}{20} = 1 \frac{11}{20}$ |
| 2. $\frac{5}{12}$ | 5. $\frac{5}{6}$ | 8. $\frac{17}{20}$ | 11. $\frac{7}{6} = 1 \frac{1}{6}$ |
| 3. $\frac{13}{12} = 1 \frac{1}{12}$ | 6. $\frac{7}{8}$ | 9. 1 | 12. $\frac{4}{5}$ |

Ch. 1 · Adding Fractions (Different Denominators) – Sheet C

- | | | | |
|-------------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| 1. $\frac{11}{12}$ | 4. $\frac{19}{20}$ | 7. $\frac{17}{20}$ | 10. $\frac{7}{6} = 1 \frac{1}{6}$ |
| 2. $\frac{7}{12}$ | 5. $\frac{7}{8}$ | 8. $\frac{13}{10} = 1 \frac{3}{10}$ | 11. $\frac{6}{5} = 1 \frac{1}{5}$ |
| 3. $\frac{16}{15} = 1 \frac{1}{15}$ | 6. $\frac{7}{5} = 1 \frac{2}{5}$ | 9. $\frac{3}{5}$ | 12. $\frac{5}{8}$ |

Ch. 1 · Subtracting Fractions – Sheet A

- | | | | |
|--------------------|-------------------|-------------------|--------------------|
| 1. $\frac{13}{20}$ | 4. $\frac{1}{6}$ | 7. $\frac{3}{10}$ | 10. $\frac{2}{15}$ |
| 2. $\frac{5}{12}$ | 5. $\frac{1}{3}$ | 8. $\frac{3}{10}$ | 11. $\frac{1}{2}$ |
| 3. $\frac{4}{15}$ | 6. $\frac{7}{30}$ | 9. $\frac{1}{8}$ | 12. $\frac{1}{3}$ |

Ch. 1 · Subtracting Fractions – Sheet B

- | | | | |
|-------------------|------------------|-------------------|--------------------|
| 1. $\frac{3}{20}$ | 4. $\frac{1}{6}$ | 7. $\frac{1}{6}$ | 10. $\frac{1}{12}$ |
| 2. $\frac{3}{10}$ | 5. $\frac{1}{8}$ | 8. $\frac{5}{12}$ | 11. $\frac{1}{3}$ |
| 3. $\frac{3}{10}$ | 6. $\frac{1}{4}$ | 9. $\frac{1}{24}$ | 12. $\frac{1}{15}$ |

Ch. 1 · Subtracting Fractions – Sheet C

- | | | | |
|-------------------|--------------------|------------------|---------------------|
| 1. $\frac{1}{4}$ | 4. $\frac{11}{20}$ | 7. $\frac{1}{6}$ | 10. $\frac{2}{5}$ |
| 2. $\frac{2}{5}$ | 5. $\frac{19}{40}$ | 8. $\frac{1}{8}$ | 11. $\frac{2}{3}$ |
| 3. $\frac{1}{12}$ | 6. $\frac{1}{10}$ | 9. $\frac{1}{5}$ | 12. $\frac{17}{30}$ |

Ch. 1 · Multiplying Fractions – Sheet A

- | | | | |
|-------------------|-------------------|-------------------|--------------------|
| 1. $\frac{1}{20}$ | 4. $\frac{1}{4}$ | 7. $\frac{1}{3}$ | 10. $\frac{4}{15}$ |
| 2. $\frac{1}{20}$ | 5. $\frac{1}{12}$ | 8. $\frac{3}{8}$ | 11. $\frac{1}{15}$ |
| 3. $\frac{1}{5}$ | 6. $\frac{1}{6}$ | 9. $\frac{7}{20}$ | 12. $\frac{3}{10}$ |

Ch. 1 · Multiplying Fractions – Sheet B

- | | | | |
|-------------------|--------------------|-------------------|--------------------|
| 1. $\frac{2}{5}$ | 4. $\frac{3}{5}$ | 7. $\frac{7}{20}$ | 10. $\frac{1}{6}$ |
| 2. $\frac{1}{4}$ | 5. $\frac{14}{25}$ | 8. $\frac{9}{40}$ | 11. $\frac{9}{20}$ |
| 3. $\frac{1}{30}$ | 6. $\frac{2}{5}$ | 9. $\frac{1}{2}$ | 12. $\frac{4}{15}$ |

Ch. 1 · Multiplying Fractions – Sheet C

- | | | | |
|-------------------|--------------------|--------------------|--------------------|
| 1. $\frac{1}{8}$ | 4. $\frac{2}{15}$ | 7. $\frac{2}{9}$ | 10. $\frac{1}{5}$ |
| 2. $\frac{1}{20}$ | 5. $\frac{21}{64}$ | 8. $\frac{7}{100}$ | 11. $\frac{9}{50}$ |
| 3. $\frac{3}{5}$ | 6. $\frac{1}{6}$ | 9. $\frac{2}{9}$ | 12. $\frac{3}{40}$ |

Ch. 1 · Dividing Fractions – Sheet A

- | | | | |
|---------------------------------|----------------------------------|---------------------------------|-----------------------------------|
| 1. $\frac{1}{3}$ | 4. $\frac{10}{3} = 3\frac{1}{3}$ | 7. $\frac{7}{5} = 1\frac{2}{5}$ | 10. $\frac{1}{4}$ |
| 2. $\frac{3}{2} = 1\frac{1}{2}$ | 5. $\frac{2}{3}$ | 8. 1 | 11. $\frac{12}{5} = 2\frac{2}{5}$ |
| 3. $\frac{6}{5} = 1\frac{1}{5}$ | 6. $\frac{3}{8}$ | 9. $\frac{5}{12}$ | 12. $\frac{10}{9} = 1\frac{1}{9}$ |

Ch. 1 · Dividing Fractions – Sheet B

- | | | | |
|---------------------------------|----------------------------------|----------------------------------|---------------------|
| 1. $\frac{4}{3} = 1\frac{1}{3}$ | 4. $\frac{10}{9} = 1\frac{1}{9}$ | 7. $\frac{12}{5} = 2\frac{2}{5}$ | 10. $\frac{35}{36}$ |
| 2. 4 | 5. $\frac{3}{2} = 1\frac{1}{2}$ | 8. 2 | 11. $\frac{2}{3}$ |
| 3. $\frac{3}{4}$ | 6. $\frac{2}{3}$ | 9. $\frac{5}{6}$ | 12. $\frac{15}{16}$ |

Ch. 1 · Dividing Fractions – Sheet C

- | | | | |
|------------------|----------------------------------|------------------|----------------------------------|
| 1. 3 | 4. 1 | 7. $\frac{3}{4}$ | 10. $\frac{4}{5}$ |
| 2. $\frac{5}{6}$ | 5. 2 | 8. $\frac{3}{5}$ | 11. $\frac{8}{5} = 1\frac{3}{5}$ |
| 3. 2 | 6. $\frac{16}{9} = 1\frac{7}{9}$ | 9. $\frac{2}{5}$ | 12. $\frac{9}{20}$ |

Ch. 2 · Adding Decimals – Sheet A

- | | | | |
|-----------|-----------|-----------|------------|
| 1. 146.20 | 4. 78.43 | 7. 126.25 | 10. 135.22 |
| 2. 112.07 | 5. 100.43 | 8. 90.06 | 11. 153.53 |
| 3. 79.87 | 6. 14.47 | 9. 6.66 | 12. 120.58 |

Ch. 2 · Adding Decimals – Sheet B

- | | | | |
|-----------|-----------|-----------|------------|
| 1. 143.14 | 4. 175.14 | 7. 77.33 | 10. 46.35 |
| 2. 128.53 | 5. 80.33 | 8. 187.65 | 11. 107.71 |
| 3. 75.54 | 6. 111.50 | 9. 134.37 | 12. 146.09 |

Ch. 2 · Adding Decimals – Sheet C

- | | | | |
|-----------|-----------|-----------|------------|
| 1. 86.04 | 4. 101.43 | 7. 118.58 | 10. 127.44 |
| 2. 100.77 | 5. 115.20 | 8. 82.99 | 11. 157.74 |
| 3. 126.81 | 6. 30.21 | 9. 126.63 | 12. 87.06 |

Ch. 2 · Subtracting Decimals – Sheet A

- | | | | |
|----------|----------|----------|-----------|
| 1. 69.23 | 4. 75.89 | 7. 0.62 | 10. 3.92 |
| 2. 68.49 | 5. 66.07 | 8. 11.21 | 11. 19.34 |
| 3. 29.47 | 6. 5.57 | 9. 1.34 | 12. 5.76 |

Ch. 2 · Subtracting Decimals – Sheet B

1. 4.97	4. 2.70	7. 51.13	10. 13.24
2. 48.91	5. 19.92	8. 2.60	11. 77.60
3. 22.44	6. 61.53	9. 0.97	12. 49.82

Ch. 2 · Subtracting Decimals – Sheet C

1. 17.48	4. 18.05	7. 12.10	10. 43.93
2. 54.19	5. 40.19	8. 13.08	11. 3.98
3. 1.03	6. 21.86	9. 57.25	12. 71.22

Ch. 2 · Multiplying Decimals – Sheet A

1. 3.9	4. 12.2	7. 3.6	10. 7.8
2. 40.5	5. 21.6	8. 4.6	11. 41.6
3. 28.0	6. 26.0	9. 11.0	12. 33.6

Ch. 2 · Multiplying Decimals – Sheet B

1. 29.4	4. 14.4	7. 69.3	10. 19.6
2. 33.3	5. 60.0	8. 86.4	11. 24.4
3. 34.2	6. 23.1	9. 26.7	12. 8.5

Ch. 2 · Multiplying Decimals – Sheet C

1. 20.0	4. 71.1	7. 28.0	10. 12.0
2. 32.0	5. 16.8	8. 43.2	11. 16.8
3. 16.0	6. 12.6	9. 38.7	12. 62.3

Ch. 2 · Dividing Decimals – Sheet A

1. 2.3	4. 6.5	7. 7.9	10. 7.8
2. 5.3	5. 2.8	8. 1.3	11. 5.4
3. 6.0	6. 1.6	9. 9.5	12. 7.1

Ch. 2 · Dividing Decimals – Sheet B

1. 6.9	4. 5.1	7. 8.9	10. 5.4
2. 2.2	5. 9.9	8. 2.9	11. 8.7
3. 6.4	6. 3.3	9. 6.1	12. 5.1

Ch. 2 · Dividing Decimals – Sheet C

1. 6.7	4. 8.1	7. 4.0	10. 3.4
2. 1.6	5. 4.1	8. 1.8	11. 2.7
3. 4.6	6. 2.0	9. 1.2	12. 7.2

Ch. 3 · Decimals to Fractions – Sheet A

1. $20/100 = 1/5$	5. $1/100 = 1/100$	9. $25/100 = 1/4$	13. $35/100 = 7/20$
2. $45/100 = 9/20$	6. $85/100 = 17/20$	10. $40/100 = 2/5$	14. $10/100 = 1/10$
3. $50/100 = 1/2$	7. $5/100 = 1/20$	11. $5/100 = 1/20$	
4. $15/100 = 3/20$	8. $9/100 = 9/100$	12. $2/100 = 1/50$	

Ch. 3 · Decimals to Fractions – Sheet B

- | | | | |
|---------------------|---------------------|---------------------|---------------------|
| 1. $50/100 = 1/2$ | 5. $10/100 = 1/10$ | 9. $40/100 = 2/5$ | 13. $35/100 = 7/20$ |
| 2. $9/100 = 9/100$ | 6. $65/100 = 13/20$ | 10. $20/100 = 1/5$ | 14. $15/100 = 3/20$ |
| 3. $95/100 = 19/20$ | 7. $30/100 = 3/10$ | 11. $45/100 = 9/20$ | |
| 4. $70/100 = 7/10$ | 8. $6/100 = 3/50$ | 12. $4/100 = 1/25$ | |

Ch. 3 · Decimals to Fractions – Sheet C

- | | | | |
|---------------------|---------------------|---------------------|----------------------|
| 1. $7/100 = 7/100$ | 5. $20/100 = 1/5$ | 9. $3/100 = 3/100$ | 13. $65/100 = 13/20$ |
| 2. $95/100 = 19/20$ | 6. $85/100 = 17/20$ | 10. $35/100 = 7/20$ | 14. $6/100 = 3/50$ |
| 3. $70/100 = 7/10$ | 7. $50/100 = 1/2$ | 11. $5/100 = 1/20$ | |
| 4. $5/100 = 1/20$ | 8. $40/100 = 2/5$ | 12. $4/100 = 1/25$ | |

Ch. 3 · Fractions, Decimals and Percents – Sheet A

- | | | | |
|------------------|------------------|------------------|------------------|
| 1. $0.12 = 12\%$ | 4. $0.75 = 75\%$ | 7. $0.04 = 4\%$ | 10. $0.05 = 5\%$ |
| 2. $1/4 = 25\%$ | 5. $9/10 = 90\%$ | 8. $7/10 = 70\%$ | |
| 3. $4/5 = 0.8$ | 6. $1/10 = 0.1$ | 9. $1/2 = 0.5$ | |

Ch. 3 · Fractions, Decimals and Percents – Sheet B

- | | | | |
|-----------------|------------------|------------------|------------------|
| 1. $0.1 = 10\%$ | 4. $0.12 = 12\%$ | 7. $0.15 = 15\%$ | 10. $0.04 = 4\%$ |
| 2. $1/5 = 20\%$ | 5. $4/5 = 80\%$ | 8. $3/10 = 30\%$ | |
| 3. $3/5 = 0.6$ | 6. $3/8 = 0.375$ | 9. $1/20 = 0.05$ | |

Ch. 3 · Fractions, Decimals and Percents – Sheet C

- | | | | |
|-----------------|-------------------|---------------------|------------------|
| 1. $0.4 = 40\%$ | 4. $0.9 = 90\%$ | 7. $0.375 = 37.5\%$ | 10. $0.6 = 60\%$ |
| 2. $1/2 = 50\%$ | 5. $1/8 = 12.5\%$ | 8. $3/20 = 15\%$ | |
| 3. $1/4 = 0.25$ | 6. $3/25 = 0.12$ | 9. $1/25 = 0.04$ | |