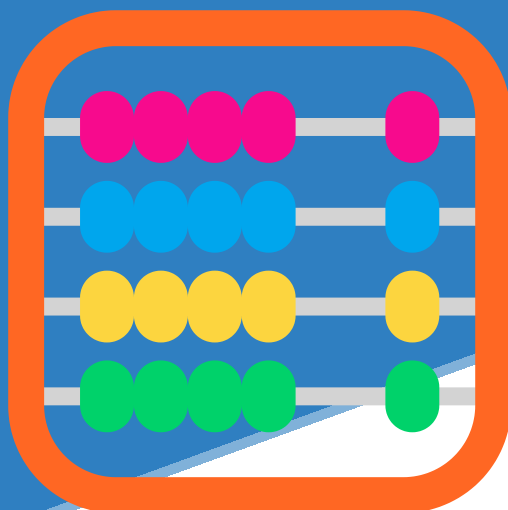
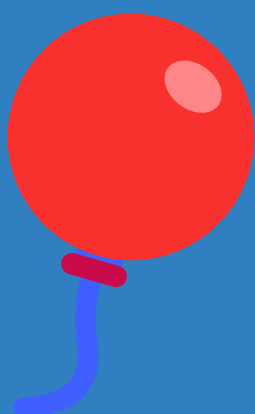


GRADE 4 • WORKBOOK

Grade 4 Math: Multi-Digit Operations

Large numbers, long multiplication and long division.

FREE
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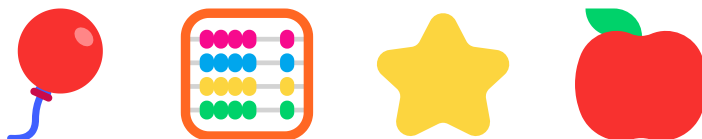
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41 pages • syllabus • answer key included



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Grade 4 Math: Multi-Digit Operations



Place value to millions, rounding and the standard methods for multiplying and dividing larger numbers.

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

Place Value to 10,000

Place Value to Millions

Rounding to the Nearest 1,000

Estimating Sums and Differences

Multiplying by 10, 100 and 1,000

Two-Digit by One-Digit Multiplication

Two-Digit by Two-Digit Multiplication

Dividing by 10, 100 and 1,000

Long Division

Division with Remainders

Factors of a Number

Multiples

Prime and Composite Numbers

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 Place value and rounding**p. 3–14**

Place Value to 10,000 · Place Value to Millions · Rounding to the Nearest 1,000 · Estimating Sums and Differences

2 Multiplication**p. 15–23**

Multiplying by 10, 100 and 1,000 · Two-Digit by One-Digit Multiplication · Two-Digit by Two-Digit Multiplication

3 Division**p. 24–32**

Dividing by 10, 100 and 1,000 · Long Division · Division with Remainders

4 Factors and multiples**p. 33–41**

Factors of a Number · Multiples · Prime and Composite Numbers

Answer key**p. 42**

Answers for every sheet in the book

**Place Value to 10,000**

Name: _____

Date: _____

Score: _____

Find the value of the underlined digit in each number.

- 1 What is the value of the 3 in 73,915?
- 2 What is the value of the 7 in 77,054?
- 3 What is the value of the 6 in 56,237?
- 4 What is the value of the 5 in 88,457?
- 5 What is the value of the 5 in 49,785?
- 6 What is the value of the 2 in 33,382?
- 7 What is the value of the 7 in 73,937?
- 8 What is the value of the 2 in 16,291?
- 9 What is the value of the 2 in 11,902?
- 10 What is the value of the 4 in 14,397?
- 11 What is the value of the 5 in 56,319?
- 12 What is the value of the 7 in 96,179?

**Place Value to 10,000**

Name: _____

Date: _____

Score: _____

Find the value of the underlined digit in each number.

- 1 What is the value of the 4 in 44,181?
- 2 What is the value of the 3 in 79,773?
- 3 What is the value of the 3 in 43,829?
- 4 What is the value of the 1 in 71,484?
- 5 What is the value of the 9 in 97,229?
- 6 What is the value of the 9 in 49,905?
- 7 What is the value of the 1 in 11,105?
- 8 What is the value of the 4 in 33,774?
- 9 What is the value of the 7 in 39,754?
- 10 What is the value of the 7 in 98,276?
- 11 What is the value of the 9 in 27,997?
- 12 What is the value of the 2 in 81,827?

**Place Value to 10,000**

Name: _____

Date: _____

Score: _____

Find the value of the underlined digit in each number.

- 1 What is the value of the 2 in 58,672?
- 2 What is the value of the 1 in 99,610?
- 3 What is the value of the 9 in 99,293?
- 4 What is the value of the 1 in 38,581?
- 5 What is the value of the 3 in 48,683?
- 6 What is the value of the 4 in 34,384?
- 7 What is the value of the 5 in 56,050?
- 8 What is the value of the 8 in 68,631?
- 9 What is the value of the 1 in 17,470?
- 10 What is the value of the 3 in 68,375?
- 11 What is the value of the 4 in 70,406?
- 12 What is the value of the 9 in 19,339?



Place Value to Millions

Name: _____

Date: _____

Score: _____

Find the value of the underlined digit in each number.

¹ What is the value of the 2 in 6,452,652?

² What is the value of the 4 in 2,465,928?

³ What is the value of the 9 in 9,094,769?

⁴ What is the value of the 6 in 6,091,966?

⁵ What is the value of the 4 in 4,029,028?

⁶ What is the value of the 2 in 5,898,132?

⁷ What is the value of the 7 in 3,079,870?

⁸ What is the value of the 9 in 1,964,896?

⁹ What is the value of the 8 in 4,837,619?

¹⁰ What is the value of the 2 in 9,289,574?

¹¹ What is the value of the 1 in 9,316,458?

¹² What is the value of the 6 in 5,345,566?



Place Value to Millions

Name: _____

Date: _____

Score: _____

Find the value of the underlined digit in each number.

¹ What is the value of the 5 in 5,005,441?

² What is the value of the 7 in 7,477,940?

³ What is the value of the 9 in 9,992,555?

⁴ What is the value of the 8 in 3,790,877?

⁵ What is the value of the 4 in 4,591,184?

⁶ What is the value of the 6 in 4,906,670?

⁷ What is the value of the 8 in 8,778,119?

⁸ What is the value of the 2 in 5,732,460?

⁹ What is the value of the 3 in 2,230,970?

¹⁰ What is the value of the 2 in 1,728,882?

¹¹ What is the value of the 3 in 1,830,736?

¹² What is the value of the 8 in 6,175,854?



Place Value to Millions

Name: _____

Date: _____

Score: _____

Find the value of the underlined digit in each number.

¹ What is the value of the 4 in 3,365,534?

² What is the value of the 8 in 1,212,780?

³ What is the value of the 4 in 6,400,284?

⁴ What is the value of the 7 in 7,242,863?

⁵ What is the value of the 5 in 8,487,579?

⁶ What is the value of the 5 in 2,885,649?

⁷ What is the value of the 6 in 6,584,661?

⁸ What is the value of the 6 in 6,371,096?

⁹ What is the value of the 2 in 5,996,892?

¹⁰ What is the value of the 7 in 6,447,109?

¹¹ What is the value of the 5 in 4,042,785?

¹² What is the value of the 2 in 2,482,387?



Rounding to the Nearest 1,000

Name: _____

Date: _____

Score: _____

Round each number to the nearest thousand. (Look at the digit to the right: 5 or more rounds up.)

1 **9,393** →

2 **9,868** →

3 **1,631** →

4 **9,184** →

5 **6,847** →

6 **8,851** →

7 **1,077** →

8 **6,820** →

9 **4,561** →

10 **7,300** →

11 **2,479** →

12 **7,930** →

13 **4,021** →

14 **8,357** →

15 **1,249** →

16 **2,758** →

17 **2,733** →

18 **5,398** →

19 **2,219** →

20 **5,621** →



Rounding to the Nearest 1,000

Name: _____

Date: _____

Score: _____

Round each number to the nearest thousand. (Look at the digit to the right: 5 or more rounds up.)

1 **2,523** →

2 **5,889** →

3 **9,514** →

4 **7,783** →

5 **1,946** →

6 **7,534** →

7 **6,794** →

8 **1,230** →

9 **5,464** →

10 **7,725** →

11 **7,244** →

12 **5,356** →

13 **6,587** →

14 **3,639** →

15 **2,306** →

16 **7,813** →

17 **5,915** →

18 **8,956** →

19 **5,352** →

20 **3,746** →



Rounding to the Nearest 1,000

Name: _____

Date: _____

Score: _____

Round each number to the nearest thousand. (Look at the digit to the right: 5 or more rounds up.)

1 **2,349** →

2 **1,041** →

3 **5,921** →

4 **3,246** →

5 **4,885** →

6 **8,307** →

7 **8,113** →

8 **8,483** →

9 **9,686** →

10 **9,960** →

11 **8,136** →

12 **7,989** →

13 **9,262** →

14 **6,866** →

15 **1,481** →

16 **5,880** →

17 **1,022** →

18 **8,220** →

19 **8,155** →

20 **6,055** →



Estimating Sums and Differences

Name: _____

Date: _____

Score: _____

Estimate: round each number to the nearest 100, then add or subtract the rounded numbers.

1 $599 + 969 \approx$

2 $673 - 125 \approx$

3 $322 + 530 \approx$

4 $770 - 521 \approx$

5 $698 + 544 \approx$

6 $654 - 324 \approx$

7 $917 + 700 \approx$

8 $903 - 757 \approx$

9 $511 + 866 \approx$

10 $592 - 378 \approx$

11 $606 + 120 \approx$

12 $430 - 356 \approx$



Estimating Sums and Differences

Name: _____

Date: _____

Score: _____

Estimate: round each number to the nearest 100, then add or subtract the rounded numbers.

1 $289 + 193 \approx$

2 $682 - 206 \approx$

3 $498 + 250 \approx$

4 $653 - 618 \approx$

5 $656 + 797 \approx$

6 $758 - 410 \approx$

7 $493 + 968 \approx$

8 $815 - 138 \approx$

9 $570 + 721 \approx$

10 $586 - 480 \approx$

11 $148 + 783 \approx$

12 $883 - 302 \approx$



Estimating Sums and Differences

Name: _____

Date: _____

Score: _____

Estimate: round each number to the nearest 100, then add or subtract the rounded numbers.

1 $681 + 369 \approx$

2 $839 - 667 \approx$

3 $491 + 897 \approx$

4 $952 - 545 \approx$

5 $148 + 725 \approx$

6 $520 - 419 \approx$

7 $632 + 174 \approx$

8 $222 - 135 \approx$

9 $382 + 691 \approx$

10 $495 - 478 \approx$

11 $825 + 613 \approx$

12 $836 - 554 \approx$



Multiplying by 10, 100 and 1,000

Name: _____

Date: _____

Score: _____

Solve. Look for the pattern with the zeros.

1 $32 \times 1,000 =$

2 $85 \times 100 =$

3 $14 \times 1,000 =$

4 $9 \times 100 =$

5 $2 \times 1,000 =$

6 $96 \times 10 =$

7 $52 \times 10 =$

8 $56 \times 100 =$

9 $17 \times 10 =$

10 $28 \times 1,000 =$

11 $81 \times 100 =$

12 $62 \times 100 =$

13 $28 \times 100 =$

14 $43 \times 1,000 =$

15 $73 \times 10 =$

16 $40 \times 100 =$

17 $53 \times 100 =$

18 $12 \times 10 =$

19 $28 \times 100 =$

20 $18 \times 1,000 =$



Multiplying by 10, 100 and 1,000

Name: _____

Date: _____

Score: _____

Solve. Look for the pattern with the zeros.

1 $10 \times 100 =$

2 $68 \times 100 =$

3 $18 \times 10 =$

4 $81 \times 1,000 =$

5 $10 \times 100 =$

6 $61 \times 10 =$

7 $21 \times 1,000 =$

8 $92 \times 1,000 =$

9 $45 \times 100 =$

10 $87 \times 10 =$

11 $18 \times 1,000 =$

12 $70 \times 1,000 =$

13 $19 \times 10 =$

14 $71 \times 1,000 =$

15 $29 \times 100 =$

16 $9 \times 100 =$

17 $45 \times 1,000 =$

18 $27 \times 100 =$

19 $60 \times 10 =$

20 $42 \times 100 =$



Multiplying by 10, 100 and 1,000

Name: _____

Date: _____

Score: _____

Solve. Look for the pattern with the zeros.

1 $29 \times 1,000 =$

2 $83 \times 1,000 =$

3 $87 \times 1,000 =$

4 $2 \times 1,000 =$

5 $23 \times 100 =$

6 $65 \times 10 =$

7 $60 \times 1,000 =$

8 $92 \times 100 =$

9 $34 \times 100 =$

10 $15 \times 100 =$

11 $22 \times 1,000 =$

12 $97 \times 100 =$

13 $7 \times 1,000 =$

14 $32 \times 1,000 =$

15 $15 \times 10 =$

16 $75 \times 10 =$

17 $90 \times 10 =$

18 $5 \times 100 =$

19 $70 \times 100 =$

20 $67 \times 100 =$

**Two-Digit by One-Digit Multiplication**

Name: _____

Date: _____

Score: _____

Multiply. Write the partial products neatly.

$$\begin{array}{r} 1 \quad 96 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 38 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 72 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 37 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 90 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 93 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 28 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 60 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad 96 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \quad 45 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \quad 14 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \quad 77 \\ \times 9 \\ \hline \end{array}$$

 Two-Digit by One-Digit Multiplication

Name: _____

Date: _____

Score: _____

Multiply. Write the partial products neatly.

1
$$\begin{array}{r} 70 \\ \times 2 \\ \hline \end{array}$$

2
$$\begin{array}{r} 39 \\ \times 6 \\ \hline \end{array}$$

3
$$\begin{array}{r} 39 \\ \times 7 \\ \hline \end{array}$$

4
$$\begin{array}{r} 93 \\ \times 9 \\ \hline \end{array}$$

5
$$\begin{array}{r} 92 \\ \times 5 \\ \hline \end{array}$$

6
$$\begin{array}{r} 40 \\ \times 3 \\ \hline \end{array}$$

7
$$\begin{array}{r} 20 \\ \times 2 \\ \hline \end{array}$$

8
$$\begin{array}{r} 83 \\ \times 8 \\ \hline \end{array}$$

9
$$\begin{array}{r} 96 \\ \times 8 \\ \hline \end{array}$$

10
$$\begin{array}{r} 51 \\ \times 2 \\ \hline \end{array}$$

11
$$\begin{array}{r} 50 \\ \times 5 \\ \hline \end{array}$$

12
$$\begin{array}{r} 49 \\ \times 2 \\ \hline \end{array}$$

 Two-Digit by One-Digit Multiplication

Name: _____

Date: _____

Score: _____

Multiply. Write the partial products neatly.

$$\begin{array}{r} 1 \quad 71 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 22 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 85 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 96 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 63 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 17 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 19 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 10 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad 52 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \quad 33 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \quad 70 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \quad 54 \\ \times 9 \\ \hline \end{array}$$

Two-Digit by Two-Digit Multiplication

Name: _____

Date: _____

Score: _____

Multiply. Write the partial products neatly.

$$\begin{array}{r} 1 \quad 96 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 33 \\ \times 47 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 95 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 48 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 38 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 41 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 46 \\ \times 92 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 38 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad 83 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \quad 33 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \quad 42 \\ \times 57 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \quad 76 \\ \times 88 \\ \hline \end{array}$$

Two-Digit by Two-Digit Multiplication

Name: _____

Date: _____

Score: _____

Multiply. Write the partial products neatly.

$$\begin{array}{r} 1 \quad \quad 75 \\ \times 89 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad \quad 91 \\ \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad \quad 16 \\ \times 44 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad \quad 85 \\ \times 47 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad \quad 73 \\ \times 84 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad \quad 23 \\ \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad \quad 72 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad \quad 45 \\ \times 45 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad \quad 63 \\ \times 91 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \quad \quad 73 \\ \times 52 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \quad \quad 49 \\ \times 67 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \quad \quad 14 \\ \times 76 \\ \hline \end{array}$$

Two-Digit by Two-Digit Multiplication

Name: _____

Date: _____

Score: _____

Multiply. Write the partial products neatly.

$$\begin{array}{r} 1 \quad 42 \\ \times 86 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 70 \\ \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 50 \\ \times 50 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 66 \\ \times 24 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 96 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 97 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 78 \\ \times 48 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 98 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad 18 \\ \times 85 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \quad 96 \\ \times 50 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \quad 60 \\ \times 38 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \quad 61 \\ \times 13 \\ \hline \end{array}$$



Dividing by 10, 100 and 1,000

Name: _____

Date: _____

Score: _____

Look for the pattern as the digits move to the right.

1 $33,000 \div 1,000 =$

2 $70,000 \div 1,000 =$

3 $8,100 \div 100 =$

4 $1,000 \div 100 =$

5 $720 \div 10 =$

6 $300 \div 10 =$

7 $930 \div 10 =$

8 $3,200 \div 100 =$

9 $50 \div 10 =$

10 $790 \div 10 =$

11 $6,000 \div 1,000 =$

12 $11,000 \div 1,000 =$

13 $38,000 \div 1,000 =$

14 $80,000 \div 1,000 =$

15 $5,000 \div 1,000 =$

16 $820 \div 10 =$

17 $41,000 \div 1,000 =$

18 $93,000 \div 1,000 =$

19 $640 \div 10 =$

20 $1,000 \div 100 =$



Dividing by 10, 100 and 1,000

Name: _____

Date: _____

Score: _____

Look for the pattern as the digits move to the right.

1 $7,000 \div 100 =$

2 $48,000 \div 1,000 =$

3 $67,000 \div 1,000 =$

4 $4,500 \div 100 =$

5 $38,000 \div 1,000 =$

6 $9,900 \div 100 =$

7 $5,600 \div 100 =$

8 $3,000 \div 100 =$

9 $48,000 \div 1,000 =$

10 $880 \div 10 =$

11 $40 \div 10 =$

12 $48,000 \div 1,000 =$

13 $27,000 \div 1,000 =$

14 $2,400 \div 100 =$

15 $33,000 \div 1,000 =$

16 $810 \div 10 =$

17 $320 \div 10 =$

18 $7,400 \div 100 =$

19 $70 \div 10 =$

20 $53,000 \div 1,000 =$



Dividing by 10, 100 and 1,000

Name: _____

Date: _____

Score: _____

Look for the pattern as the digits move to the right.

1 $3,800 \div 100 =$

2 $920 \div 10 =$

3 $12,000 \div 1,000 =$

4 $6,200 \div 100 =$

5 $270 \div 10 =$

6 $7,000 \div 1,000 =$

7 $220 \div 10 =$

8 $510 \div 10 =$

9 $160 \div 10 =$

10 $7,300 \div 100 =$

11 $640 \div 10 =$

12 $250 \div 10 =$

13 $190 \div 10 =$

14 $32,000 \div 1,000 =$

15 $29,000 \div 1,000 =$

16 $41,000 \div 1,000 =$

17 $58,000 \div 1,000 =$

18 $120 \div 10 =$

19 $630 \div 10 =$

20 $2,800 \div 100 =$



Long Division

Name: _____

Date: _____

Score: _____

Divide using long division. Show your work on scrap paper, then write the answer.

1 $100 \div 2 =$

2 $108 \div 9 =$

3 $238 \div 2 =$

4 $642 \div 6 =$

5 $144 \div 6 =$

6 $968 \div 4 =$

7 $210 \div 7 =$

8 $912 \div 8 =$

9 $198 \div 9 =$

10 $865 \div 5 =$

11 $922 \div 2 =$

12 $404 \div 4 =$



Long Division

Name: _____

Date: _____

Score: _____

Divide using long division. Show your work on scrap paper, then write the answer.

1 $944 \div 2 =$

2 $144 \div 4 =$

3 $490 \div 7 =$

4 $304 \div 4 =$

5 $965 \div 5 =$

6 $420 \div 4 =$

7 $520 \div 8 =$

8 $258 \div 2 =$

9 $232 \div 4 =$

10 $312 \div 6 =$

11 $132 \div 4 =$

12 $621 \div 3 =$



Long Division

Name: _____

Date: _____

Score: _____

Divide using long division. Show your work on scrap paper, then write the answer.

1 $760 \div 2 =$

2 $672 \div 7 =$

3 $756 \div 9 =$

4 $762 \div 3 =$

5 $932 \div 2 =$

6 $954 \div 2 =$

7 $135 \div 9 =$

8 $332 \div 4 =$

9 $966 \div 6 =$

10 $176 \div 8 =$

11 $749 \div 7 =$

12 $560 \div 8 =$



Division with Remainders

Name: _____

Date: _____

Score: _____

Divide. Write the remainder (r) if there is one.

1 $14 \div 2 = \square \text{ r } \square$

2 $66 \div 7 = \square \text{ r } \square$

3 $20 \div 5 = \square \text{ r } \square$

4 $40 \div 5 = \square \text{ r } \square$

5 $11 \div 3 = \square \text{ r } \square$

6 $30 \div 7 = \square \text{ r } \square$

7 $24 \div 7 = \square \text{ r } \square$

8 $13 \div 2 = \square \text{ r } \square$

9 $102 \div 8 = \square \text{ r } \square$

10 $45 \div 6 = \square \text{ r } \square$

11 $28 \div 4 = \square \text{ r } \square$

12 $19 \div 4 = \square \text{ r } \square$

13 $110 \div 9 = \square \text{ r } \square$

14 $92 \div 8 = \square \text{ r } \square$

15 $6 \div 2 = \square \text{ r } \square$

16 $61 \div 6 = \square \text{ r } \square$



Division with Remainders

Name: _____

Date: _____

Score: _____

Divide. Write the remainder (r) if there is one.

1 $32 \div 8 = \square \text{ r } \square$

2 $19 \div 7 = \square \text{ r } \square$

3 $20 \div 4 = \square \text{ r } \square$

4 $69 \div 9 = \square \text{ r } \square$

5 $95 \div 9 = \square \text{ r } \square$

6 $60 \div 6 = \square \text{ r } \square$

7 $16 \div 5 = \square \text{ r } \square$

8 $88 \div 9 = \square \text{ r } \square$

9 $25 \div 6 = \square \text{ r } \square$

10 $9 \div 4 = \square \text{ r } \square$

11 $68 \div 8 = \square \text{ r } \square$

12 $22 \div 2 = \square \text{ r } \square$

13 $47 \div 5 = \square \text{ r } \square$

14 $50 \div 8 = \square \text{ r } \square$

15 $31 \div 3 = \square \text{ r } \square$

16 $65 \div 9 = \square \text{ r } \square$



Division with Remainders

Name: _____

Date: _____

Score: _____

Divide. Write the remainder (r) if there is one.

1 $64 \div 8 = \square \text{ r } \square$

2 $32 \div 8 = \square \text{ r } \square$

3 $33 \div 3 = \square \text{ r } \square$

4 $89 \div 7 = \square \text{ r } \square$

5 $22 \div 6 = \square \text{ r } \square$

6 $77 \div 6 = \square \text{ r } \square$

7 $25 \div 4 = \square \text{ r } \square$

8 $41 \div 6 = \square \text{ r } \square$

9 $27 \div 5 = \square \text{ r } \square$

10 $21 \div 9 = \square \text{ r } \square$

11 $15 \div 4 = \square \text{ r } \square$

12 $29 \div 3 = \square \text{ r } \square$

13 $37 \div 5 = \square \text{ r } \square$

14 $9 \div 3 = \square \text{ r } \square$

15 $63 \div 6 = \square \text{ r } \square$

16 $10 \div 3 = \square \text{ r } \square$

12 **Factors of a Number**

Name: _____ Date: _____ Score: _____

List every factor of each number (pairs of numbers that multiply to make it).

1 **Factors of 23:**

2 **Factors of 59:**

3 **Factors of 37:**

4 **Factors of 40:**

5 **Factors of 20:**

6 **Factors of 39:**

7 **Factors of 29:**

8 **Factors of 54:**

9 **Factors of 11:**

10 **Factors of 55:**

12 **Factors of a Number**

Name: _____

Date: _____

Score: _____

List every factor of each number (pairs of numbers that multiply to make it).

1 **Factors of 12:**

2 **Factors of 14:**

3 **Factors of 31:**

4 **Factors of 11:**

5 **Factors of 7:**

6 **Factors of 39:**

7 **Factors of 60:**

8 **Factors of 45:**

9 **Factors of 51:**

10 **Factors of 23:**

12 **Factors of a Number**

Name: _____ Date: _____ Score: _____

List every factor of each number (pairs of numbers that multiply to make it).

1 **Factors of 19:**

2 **Factors of 29:**

3 **Factors of 35:**

4 **Factors of 59:**

5 **Factors of 46:**

6 **Factors of 18:**

7 **Factors of 6:**

8 **Factors of 39:**

9 **Factors of 51:**

10 **Factors of 54:**

 Multiples

Name: _____

Date: _____

Score: _____

Write the first six multiples of each number.

1 First 6 multiples of 5:

2 First 6 multiples of 11:

3 First 6 multiples of 12:

4 First 6 multiples of 8:

5 First 6 multiples of 4:

6 First 6 multiples of 3:

7 First 6 multiples of 10:

8 First 6 multiples of 6:

9 First 6 multiples of 9:

10 First 6 multiples of 7:

 Multiples

Name: _____

Date: _____

Score: _____

Write the first six multiples of each number.

1 First 6 multiples of 4:

2 First 6 multiples of 5:

3 First 6 multiples of 10:

4 First 6 multiples of 8:

5 First 6 multiples of 9:

6 First 6 multiples of 11:

7 First 6 multiples of 7:

8 First 6 multiples of 6:

9 First 6 multiples of 3:

10 First 6 multiples of 12:

 Multiples

Name: _____

Date: _____

Score: _____

Write the first six multiples of each number.

1 First 6 multiples of 8:

2 First 6 multiples of 6:

3 First 6 multiples of 10:

4 First 6 multiples of 7:

5 First 6 multiples of 4:

6 First 6 multiples of 2:

7 First 6 multiples of 3:

8 First 6 multiples of 5:

9 First 6 multiples of 12:

10 First 6 multiples of 11:

12 Prime and Composite Numbers

Name: _____ Date: _____ Score: _____

A prime number has exactly two factors (1 and itself). A composite number has more. Tick the correct box.

- | | |
|--|--|
| 1 9 ☐ prime ☐ composite | 2 36 ☐ prime ☐ composite |
| 3 19 ☐ prime ☐ composite | 4 8 ☐ prime ☐ composite |
| 5 29 ☐ prime ☐ composite | 6 47 ☐ prime ☐ composite |
| 7 17 ☐ prime ☐ composite | 8 20 ☐ prime ☐ composite |
| 9 18 ☐ prime ☐ composite | 10 5 ☐ prime ☐ composite |
| 11 40 ☐ prime ☐ composite | 12 50 ☐ prime ☐ composite |
| 13 14 ☐ prime ☐ composite | 14 45 ☐ prime ☐ composite |
| 15 13 ☐ prime ☐ composite | 16 15 ☐ prime ☐ composite |
| 17 37 ☐ prime ☐ composite | 18 25 ☐ prime ☐ composite |
| 19 7 ☐ prime ☐ composite | 20 30 ☐ prime ☐ composite |

12 Prime and Composite Numbers

Name: _____ Date: _____ Score: _____

A prime number has exactly two factors (1 and itself). A composite number has more. Tick the correct box.

¹ **32** ☐ prime ☐ composite

² **30** ☐ prime ☐ composite

³ **19** ☐ prime ☐ composite

⁴ **35** ☐ prime ☐ composite

⁵ **20** ☐ prime ☐ composite

⁶ **17** ☐ prime ☐ composite

⁷ **50** ☐ prime ☐ composite

⁸ **37** ☐ prime ☐ composite

⁹ **29** ☐ prime ☐ composite

¹⁰ **39** ☐ prime ☐ composite

¹¹ **21** ☐ prime ☐ composite

¹² **41** ☐ prime ☐ composite

¹³ **36** ☐ prime ☐ composite

¹⁴ **43** ☐ prime ☐ composite

¹⁵ **49** ☐ prime ☐ composite

¹⁶ **8** ☐ prime ☐ composite

¹⁷ **25** ☐ prime ☐ composite

¹⁸ **31** ☐ prime ☐ composite

¹⁹ **13** ☐ prime ☐ composite

²⁰ **4** ☐ prime ☐ composite

12 Prime and Composite Numbers

Name: _____ Date: _____ Score: _____

A prime number has exactly two factors (1 and itself). A composite number has more. Tick the correct box.

¹ **42** ☐ prime ☐ composite

² **16** ☐ prime ☐ composite

³ **11** ☐ prime ☐ composite

⁴ **17** ☐ prime ☐ composite

⁵ **9** ☐ prime ☐ composite

⁶ **31** ☐ prime ☐ composite

⁷ **22** ☐ prime ☐ composite

⁸ **21** ☐ prime ☐ composite

⁹ **37** ☐ prime ☐ composite

¹⁰ **3** ☐ prime ☐ composite

¹¹ **41** ☐ prime ☐ composite

¹² **7** ☐ prime ☐ composite

¹³ **34** ☐ prime ☐ composite

¹⁴ **14** ☐ prime ☐ composite

¹⁵ **25** ☐ prime ☐ composite

¹⁶ **8** ☐ prime ☐ composite

¹⁷ **38** ☐ prime ☐ composite

¹⁸ **18** ☐ prime ☐ composite

¹⁹ **19** ☐ prime ☐ composite

²⁰ **26** ☐ prime ☐ composite

Ch. 1 · Place Value to 10,000 – Sheet A

1. 3,000	4. 50	7. 70,000	10. 4,000
2. 7,000	5. 5	8. 200	11. 50,000
3. 6,000	6. 2	9. 2	12. 70

Ch. 1 · Place Value to 10,000 – Sheet B

1. 40,000	4. 1,000	7. 1,000	10. 70
2. 3	5. 90,000	8. 4	11. 900
3. 3,000	6. 900	9. 700	12. 20

Ch. 1 · Place Value to 10,000 – Sheet C

1. 2	4. 1	7. 50	10. 300
2. 10	5. 3	8. 8,000	11. 400
3. 90,000	6. 4	9. 10,000	12. 9,000

Ch. 1 · Place Value to Millions – Sheet A

1. 2	4. 6,000,000	7. 70	10. 200,000
2. 400,000	5. 4,000,000	8. 900,000	11. 10,000
3. 9,000,000	6. 2	9. 800,000	12. 60

Ch. 1 · Place Value to Millions – Sheet B

1. 5,000,000	4. 800	7. 8,000	10. 2
2. 7,000	5. 4,000,000	8. 2,000	11. 30
3. 9,000,000	6. 600	9. 30,000	12. 800

Ch. 1 · Place Value to Millions – Sheet C

1. 4	4. 7,000,000	7. 60	10. 7,000
2. 80	5. 500	8. 6,000,000	11. 5
3. 400,000	6. 5,000	9. 2	12. 2,000

Ch. 1 · Rounding to the Nearest 1,000 – Sheet A

1. 9,000	6. 9,000	11. 2,000	16. 3,000
2. 10,000	7. 1,000	12. 8,000	17. 3,000
3. 2,000	8. 7,000	13. 4,000	18. 5,000
4. 9,000	9. 5,000	14. 8,000	19. 2,000
5. 7,000	10. 7,000	15. 1,000	20. 6,000

Ch. 1 · Rounding to the Nearest 1,000 – Sheet B

1. 3,000	6. 8,000	11. 7,000	16. 8,000
2. 6,000	7. 7,000	12. 5,000	17. 6,000
3. 10,000	8. 1,000	13. 7,000	18. 9,000
4. 8,000	9. 5,000	14. 4,000	19. 5,000
5. 2,000	10. 8,000	15. 2,000	20. 4,000

Ch. 1 · Rounding to the Nearest 1,000 – Sheet C

1. 2,000	6. 8,000	11. 8,000	16. 6,000
2. 1,000	7. 8,000	12. 8,000	17. 1,000
3. 6,000	8. 8,000	13. 9,000	18. 8,000
4. 3,000	9. 10,000	14. 7,000	19. 8,000
5. 5,000	10. 10,000	15. 1,000	20. 6,000

Ch. 1 · Estimating Sums and Differences – Sheet A

1. 1,600	4. 300	7. 1,600	10. 200
2. 600	5. 1,200	8. 100	11. 700
3. 800	6. 400	9. 1,400	12. 0

Ch. 1 · Estimating Sums and Differences – Sheet B

1. 500	4. 100	7. 1,500	10. 100
2. 500	5. 1,500	8. 700	11. 900
3. 800	6. 400	9. 1,300	12. 600

Ch. 1 · Estimating Sums and Differences – Sheet C

1. 1,100	4. 500	7. 800	10. 0
2. 100	5. 800	8. 100	11. 1,400
3. 1,400	6. 100	9. 1,100	12. 200

Ch. 2 · Multiplying by 10, 100 and 1,000 – Sheet A

1. 32,000	6. 960	11. 8,100	16. 4,000
2. 8,500	7. 520	12. 6,200	17. 5,300
3. 14,000	8. 5,600	13. 2,800	18. 120
4. 900	9. 170	14. 43,000	19. 2,800
5. 2,000	10. 28,000	15. 730	20. 18,000

Ch. 2 · Multiplying by 10, 100 and 1,000 – Sheet B

1. 1,000	6. 610	11. 18,000	16. 900
2. 6,800	7. 21,000	12. 70,000	17. 45,000
3. 180	8. 92,000	13. 190	18. 2,700
4. 81,000	9. 4,500	14. 71,000	19. 600
5. 1,000	10. 870	15. 2,900	20. 4,200

Ch. 2 · Multiplying by 10, 100 and 1,000 – Sheet C

1. 29,000	6. 650	11. 22,000	16. 750
2. 83,000	7. 60,000	12. 9,700	17. 900
3. 87,000	8. 9,200	13. 7,000	18. 500
4. 2,000	9. 3,400	14. 32,000	19. 7,000
5. 2,300	10. 1,500	15. 150	20. 6,700

Ch. 2 · Two-Digit by One-Digit Multiplication – Sheet A

1. 768	4. 111	7. 168	10. 315
2. 190	5. 540	8. 540	11. 56
3. 288	6. 744	9. 384	12. 693

Ch. 2 · Two-Digit by One-Digit Multiplication – Sheet B

1. 140	4. 837	7. 40	10. 102
2. 234	5. 460	8. 664	11. 250
3. 273	6. 120	9. 768	12. 98

Ch. 2 · Two-Digit by One-Digit Multiplication – Sheet C

1. 284	4. 768	7. 152	10. 297
2. 132	5. 378	8. 50	11. 280
3. 595	6. 119	9. 468	12. 486

Ch. 2 · Two-Digit by Two-Digit Multiplication – Sheet A

1. 9,024	4. 480	7. 4,232	10. 1,221
2. 1,551	5. 418	8. 1,026	11. 2,394
3. 4,845	6. 3,977	9. 2,241	12. 6,688

Ch. 2 · Two-Digit by Two-Digit Multiplication – Sheet B

1. 6,675	4. 3,995	7. 936	10. 3,796
2. 2,639	5. 6,132	8. 2,025	11. 3,283
3. 704	6. 667	9. 5,733	12. 1,064

Ch. 2 · Two-Digit by Two-Digit Multiplication – Sheet C

1. 3,612	4. 1,584	7. 3,744	10. 4,800
2. 1,820	5. 960	8. 9,212	11. 2,280
3. 2,500	6. 4,171	9. 1,530	12. 793

Ch. 3 · Dividing by 10, 100 and 1,000 – Sheet A

1. 33	6. 30	11. 6	16. 82
2. 70	7. 93	12. 11	17. 41
3. 81	8. 32	13. 38	18. 93
4. 10	9. 5	14. 80	19. 64
5. 72	10. 79	15. 5	20. 10

Ch. 3 · Dividing by 10, 100 and 1,000 – Sheet B

1. 70	6. 99	11. 4	16. 81
2. 48	7. 56	12. 48	17. 32
3. 67	8. 30	13. 27	18. 74
4. 45	9. 48	14. 24	19. 7
5. 38	10. 88	15. 33	20. 53

Ch. 3 · Dividing by 10, 100 and 1,000 – Sheet C

1. 38	6. 7	11. 64	16. 41
2. 92	7. 22	12. 25	17. 58
3. 12	8. 51	13. 19	18. 12
4. 62	9. 16	14. 32	19. 63
5. 27	10. 73	15. 29	20. 28

Ch. 3 · Long Division – Sheet A

1. 50	4. 107	7. 30	10. 173
2. 12	5. 24	8. 114	11. 461
3. 119	6. 242	9. 22	12. 101

Ch. 3 · Long Division – Sheet B

1. 472	4. 76	7. 65	10. 52
2. 36	5. 193	8. 129	11. 33
3. 70	6. 105	9. 58	12. 207

Ch. 3 · Long Division – Sheet C

1. 380	4. 254	7. 15	10. 22
2. 96	5. 466	8. 83	11. 107
3. 84	6. 477	9. 161	12. 70

Ch. 3 · Division with Remainders – Sheet A

1. 7	5. 3 r 2	9. 12 r 6	13. 12 r 2
2. 9 r 3	6. 4 r 2	10. 7 r 3	14. 11 r 4
3. 4	7. 3 r 3	11. 7	15. 3
4. 8	8. 6 r 1	12. 4 r 3	16. 10 r 1

Ch. 3 · Division with Remainders – Sheet B

1. 4	5. 10 r 5	9. 4 r 1	13. 9 r 2
2. 2 r 5	6. 10	10. 2 r 1	14. 6 r 2
3. 5	7. 3 r 1	11. 8 r 4	15. 10 r 1
4. 7 r 6	8. 9 r 7	12. 11	16. 7 r 2

Ch. 3 · Division with Remainders – Sheet C

1. 8	5. 3 r 4	9. 5 r 2	13. 7 r 2
2. 4	6. 12 r 5	10. 2 r 3	14. 3
3. 11	7. 6 r 1	11. 3 r 3	15. 10 r 3
4. 12 r 5	8. 6 r 5	12. 9 r 2	16. 3 r 1

Ch. 4 · Factors of a Number – Sheet A

1. 1, 23	4. 1, 2, 4, 5, 8, 10, 20, 40	7. 1, 29	10. 1, 5, 11, 55
2. 1, 59	5. 1, 2, 4, 5, 10, 20	8. 1, 2, 3, 6, 9, 18, 27, 54	
3. 1, 37	6. 1, 3, 13, 39	9. 1, 11	

Ch. 4 · Factors of a Number – Sheet B

1. 1, 2, 3, 4, 6, 12	4. 1, 11	7. 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60	9. 1, 3, 17, 51
2. 1, 2, 7, 14	5. 1, 7	8. 1, 3, 5, 9, 15, 45	10. 1, 23
3. 1, 31	6. 1, 3, 13, 39		

Ch. 4 · Factors of a Number – Sheet C

1. 1, 19	4. 1, 59	7. 1, 2, 3, 6	10. 1, 2, 3, 6, 9, 18, 27, 54
2. 1, 29	5. 1, 2, 23, 46	8. 1, 3, 13, 39	
3. 1, 5, 7, 35	6. 1, 2, 3, 6, 9, 18	9. 1, 3, 17, 51	

Ch. 4 · Multiples – Sheet A

1. 5, 10, 15, 20, 25, 30	4. 8, 16, 24, 32, 40, 48	7. 10, 20, 30, 40, 50, 60	10. 7, 14, 21, 28, 35, 42
2. 11, 22, 33, 44, 55, 66	5. 4, 8, 12, 16, 20, 24	8. 6, 12, 18, 24, 30, 36	
3. 12, 24, 36, 48, 60, 72	6. 3, 6, 9, 12, 15, 18	9. 9, 18, 27, 36, 45, 54	

Ch. 4 · Multiples – Sheet B

- | | | | |
|---------------------------|---------------------------|--------------------------|----------------------------|
| 1. 4, 8, 12, 16, 20, 24 | 4. 8, 16, 24, 32, 40, 48 | 7. 7, 14, 21, 28, 35, 42 | 10. 12, 24, 36, 48, 60, 72 |
| 2. 5, 10, 15, 20, 25, 30 | 5. 9, 18, 27, 36, 45, 54 | 8. 6, 12, 18, 24, 30, 36 | |
| 3. 10, 20, 30, 40, 50, 60 | 6. 11, 22, 33, 44, 55, 66 | 9. 3, 6, 9, 12, 15, 18 | |

Ch. 4 · Multiples – Sheet C

- | | | | |
|---------------------------|--------------------------|---------------------------|----------------------------|
| 1. 8, 16, 24, 32, 40, 48 | 4. 7, 14, 21, 28, 35, 42 | 7. 3, 6, 9, 12, 15, 18 | 10. 11, 22, 33, 44, 55, 66 |
| 2. 6, 12, 18, 24, 30, 36 | 5. 4, 8, 12, 16, 20, 24 | 8. 5, 10, 15, 20, 25, 30 | |
| 3. 10, 20, 30, 40, 50, 60 | 6. 2, 4, 6, 8, 10, 12 | 9. 12, 24, 36, 48, 60, 72 | |

Ch. 4 · Prime and Composite Numbers – Sheet A

- | | | | |
|--------------|--------------|---------------|---------------|
| 1. composite | 6. prime | 11. composite | 16. composite |
| 2. composite | 7. prime | 12. composite | 17. prime |
| 3. prime | 8. composite | 13. composite | 18. composite |
| 4. composite | 9. composite | 14. composite | 19. prime |
| 5. prime | 10. prime | 15. prime | 20. composite |

Ch. 4 · Prime and Composite Numbers – Sheet B

- | | | | |
|--------------|---------------|---------------|---------------|
| 1. composite | 6. prime | 11. composite | 16. composite |
| 2. composite | 7. composite | 12. prime | 17. composite |
| 3. prime | 8. prime | 13. composite | 18. prime |
| 4. composite | 9. prime | 14. prime | 19. prime |
| 5. composite | 10. composite | 15. composite | 20. composite |

Ch. 4 · Prime and Composite Numbers – Sheet C

- | | | | |
|--------------|--------------|---------------|---------------|
| 1. composite | 6. prime | 11. prime | 16. composite |
| 2. composite | 7. composite | 12. prime | 17. composite |
| 3. prime | 8. composite | 13. composite | 18. composite |
| 4. prime | 9. prime | 14. composite | 19. prime |
| 5. composite | 10. prime | 15. composite | 20. composite |