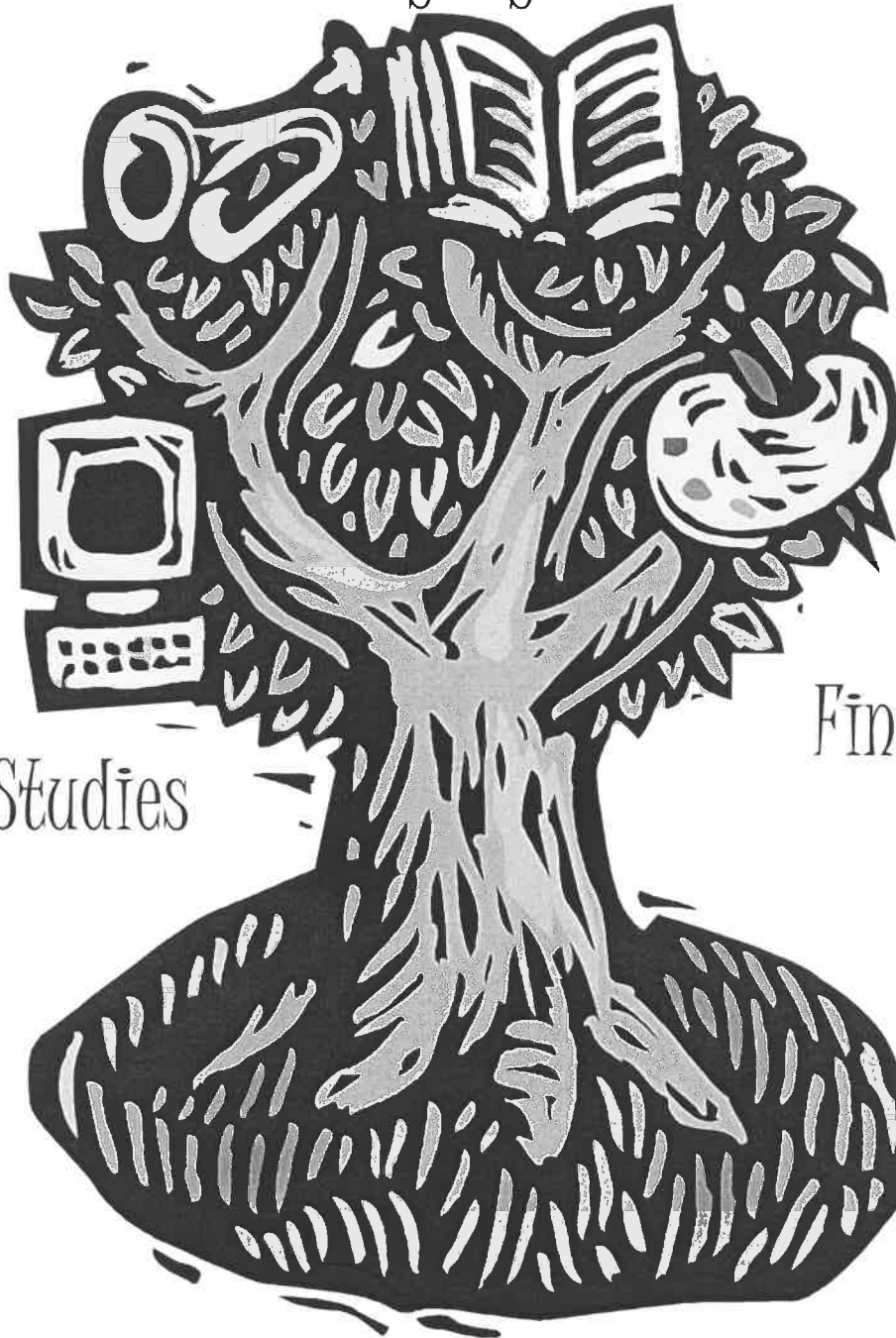


Math

Language Arts

Science



Social Studies

Fine Arts

John S. Davidson Fine Arts Magnet School

2021-2022

6<sup>th</sup> Grade Summer Workbook

# Parent/Student Information

We are excited about next year. We hope you are excited, too. This workbook will help prepare the student for their new classes and help them review skills that should have been mastered by the end of the fifth grade. Please work with your child to make sure he/she completes the workbook and masters the necessary skills. It may be necessary for the student to review the following math concepts as well.

- Multiplication facts to 13
- Place Value
- Rounding (Estimating)
- Graphing on a Number Line
- Comparing and Ordering decimals
- Comparing and Ordering fractions
- Order of Operations (PEMDAS)
- Factors
- Multiples

## Look for these activities inside.

### Grade 6 Information

### 6th Grade Supply List

### 6<sup>th</sup> Grade Suggested Summer Reading List

### Language Arts

All About Me

### Mathematics

Fractions: GCF and Simplifying  
Adding and Subtracting Fractions  
Multiplying Fractions  
Dividing Fractions  
Multiplying Decimals  
Dividing Decimals

### Science

Digging In  
Taken for "Granite"

### Social Studies

Find out More About This Continent  
The Seas of Europe  
Countries of South America  
Features of Canada  
Australia and Oceania

## Grade 6 Information for 2021-22

Welcome to Davidson Fine Arts Magnet School, home of the Titans! Please read the information below and discuss it with your child. Although DFA provides a wide range of fine arts, the sixth-grade teachers have the responsibility of preparing students academically for the skills they will need as they grow and matriculate here at DFA. Davidson has a very rigorous and challenging academic environment, and the students are expected to conduct themselves accordingly to meet that challenge.

### Homework

Homework is a valuable tool used to help students make the most of their experience at Davidson. Homework helps reinforce what has been learned in class, prepares students for upcoming lessons, teaches responsibility, and helps students develop positive study habits. Homework will be assigned from one or more classes Monday through Thursday nights. Occasionally, projects and studying will need to be done over the weekend.

\*Students are required to write their daily homework assignments in their agendas.

\*All homework assignments will be checked for completion then recorded in the grade book. No credit is given for incomplete homework.

\*No late homework assignments will be accepted.

### Homework and Study Habits Checklist

- ❖ Decide on a regular study time and place where there are few distractions.
- ❖ Be sure your child gets adequate sleep each night (at least seven hours).
- ❖ Talk to your child about school and model the importance and joy of learning.
- ❖ Encourage and praise your child's successes and signs of responsibility.
- ❖ Encourage your child to study each academic subject 10-15 minutes per day
- ❖ Encourage and support reading for enjoyment

### Where to find our assignments on line

Homework, other assignments, announcements, and general information are posted on the web at [www.rcboe.org/davidson](http://www.rcboe.org/davidson) and in weekly modules using Canvas. Students can find a teacher's class page by selecting the teacher's name under the staff and department tab on the DFA school website. **Students are required, however, to copy homework off the board in each class and put into their agendas. This is a part of the study skills curriculum. The website and Canvas should be used by the parent and student to double check and plan each week.**

### Graded Papers

Graded papers will be returned within one week of the graded assignment in most cases. **It is the student's responsibility to take grade papers home and share them with his/her parents.** A parent can check a student's grades through the Parental Portal on Infinite Campus. To access Parent Portal, go to [www.rcboe.org/davidson](http://www.rcboe.org/davidson) and click on the "Parents" tab to find the Infinite Campus link. If you do not already have an account, you will need to register. You should have an account if you have a child already in Richmond County School System.

### Progress Reports

\*Issued the fifth week of each nine weeks.

\*Must be signed and returned to the homeroom teacher in a time manner.

### Forgery of signed papers/progress report

- ❖ If a student is found to have signed a progress report, report card, or other important papers, three hours of detention will be given.

- ❖ The *Richmond County Code of Student Conduct and Discipline* states that “No student shall forge the signature of parents, guardians, teachers, schools officials, or any other person and/or alter any official document.” Such conduct may result in additional disciplinary action.

### **Cheating**

- ❖ Please discuss and help enforce #9 on DFA Student contract: “I understand that my child must maintain the highest standards of honesty and integrity while attending Davidson.”
- ❖ Should cheating occur on a graded assignment/assessment, a “0” will automatically be given as the grade for that task.

### **Late work (not including homework)**

- ❖ If work is one day late, eleven points will be deducted from the grade earned on the assignment.
- ❖ If work is two days late or late over a weekend, twenty-two points will be deducted from the grade earned on the assignment.

### **Make-up work**

- ❖ Work must be made up within five school days of absences at the teacher’s discretion. It is the student’s responsibility to obtain make-up work from the teacher and to arrange time to complete any tests or graded assignments that were missed.
- ❖ Tests/quizzes/assessments missed after a one or two day absence will be made up the day the student returns. Homework missed after a one or two day absence must be handed in when student returns.

### **Grade weights for core subject areas**

#### **Language arts**

Tests/projects = 40%  
 Quizzes = 30%  
 Classwork = 25%  
 Homework = 5%

#### **Mathematics**

Tests/projects = 45%  
 Quizzes/classwork/participation = 40%  
 Fluency Quizzes = 5%  
 Homework = 10%

#### **Science**

Tests/projects = 45%  
 Labs = 35%  
 Graded class work/quizzes = 15%  
 Homework = 5%

#### **Social Studies**

Test/projects = 40%  
 Quizzes/reports = 30%  
 Graded work = 25%  
 Homework/GPS checklist = 5%

### **Contacting teachers**

The sixth grade teachers are available during their planning periods for prearranged conferences (arranged through Mrs. Julie Landis, 706-823-6924, ext. 2359). When a conference is scheduled, you will meet with all academic teachers. The quickest way to communicate with one or more teachers is through email. Below is a list of each teacher’s email address:

#### **Language Arts**

Mrs. Virginia Veale                      [vealevi@boe.richmond.k12.ga.us](mailto:vealevi@boe.richmond.k12.ga.us)

#### **Mathematics**

Ms. Tiffany Tatem                      [tatemti1@boe.richmond.k12.ga.us](mailto:tatemti1@boe.richmond.k12.ga.us)

#### **Science**

Mrs. Joanne Jones                      [jonesjo@boe.richmond.k12.ga.us](mailto:jonesjo@boe.richmond.k12.ga.us)

#### **Social Studies**

Ms. Lee King                              [kingle@boe.richmond.k12.ga.us](mailto:kingle@boe.richmond.k12.ga.us)

# 6th Grade Supply List

KEEP AT HOME	TOTAL NEEDED	ITEMS NEEDED	Language Arts	Math	Science	Social Studies
			Veale	Tatem	Jones	King
*	6 pkgs	WIDE RULED - Loose leaf paper	2 pkgs	2 pkgs		2 pkgs
	2 pkgs	GRAPH PAPER for mathematics		2 pkgs		
	5 pkgs	Assorted colored paper (Teachers will collect and keep)	1 pkg	1 pkg	1 pkg	2 pkg
	2	1-inch (3-ring binders)	1			1
	2	Vinyl 3-prong w/pockets folder		1	1	
	6	Mead composition book	2	3	1	
	2 pkgs	5-TAB Dividers	1			1
*	Constant Supply	3 x 5 Index cards /Sheet protectors	Used for all classes			
*	1 pkg	Paper re-enforcers	1/2 Pkg			1/2 Pkg
	3	Reusable, expandable book cover	1		1	1
	1	Flash Drive	used by all classes			
	1	Scientific Calculator		1		
	1	TALL Locker Shelf	A Binder should be able to fit under it			
	1	1 1/2-inch ruler with cm/mm markings	used by all classes			
	1	3 hole paper punch that fits over rings of binder	used by all classes			
	1	Medium Size Stapler	used by (King/Tatem)			
*	4	Tape Rolls	used by all classes (Teachers will collect)			
	1	Pocket Sized Pencil Sharpener (No battery operated)	used by all classes			
	1	Hand Sanitizer	used by all classes			
	1	Zippered pencil case	used by all classes			
	1	Package of WASHABLE magic markers	used by all classes			
	1	Permanent marker (to label all supplies)	used by all classes			
*	2	Packages of colored pencils	used by all classes			
*	Constant Supply	# 2 Pencils	used by all classes			
*	Several	Pens (black, blue, and red)	used by all classes			
	1 pkg	Highlighters	used by all classes			
	1	Dry Erase Markers	used by all classes			
*	8	Glue Sticks (At least)	used by all classes			

**\* KEEP ITEMS AT HOME. Student may replenish as needed**

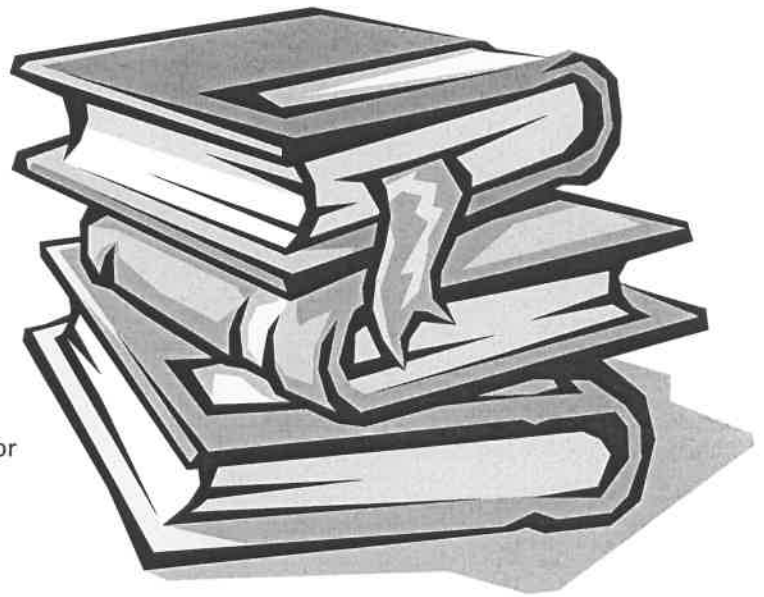


# Sixth Grade Suggested Summer Reading List

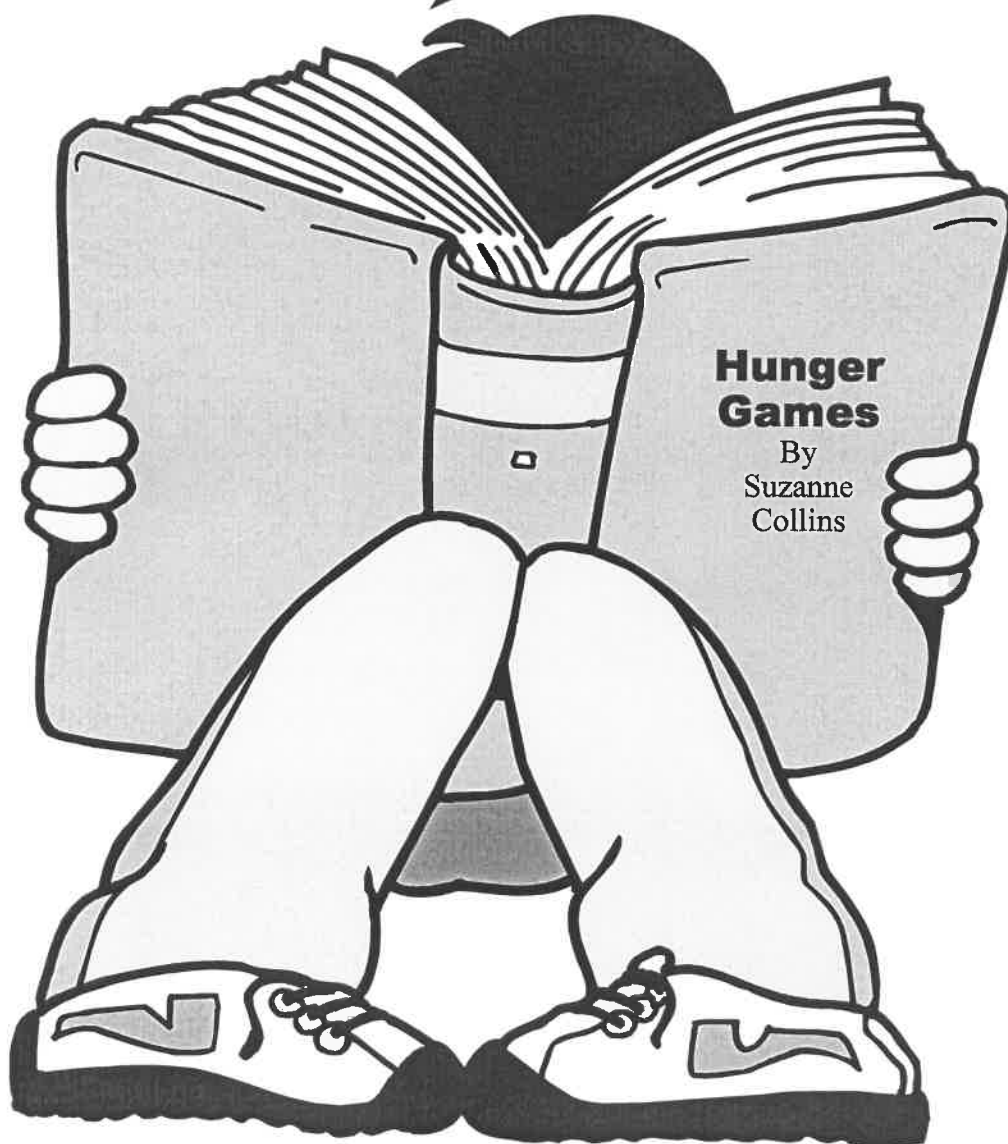
John S. Davidson Fine Arts Magnet School

A Long Way from Chicago - Richard Peck  
A Wrinkle in Time - Madeleine L'Engle  
A Year Down Yonder - Richard Peck  
Absolutely Normal Chaos - Sharon Creech  
Across Five Aprils - Irene Hunt  
Amulet of Samarkand - Jonathan Stroud  
Artemis Fowl - Eoin Colfer  
Bloomability - Sharon Creech  
Bound - Donna Napoli  
Buddy - M.H. Herlong  
Catherine Called Birdy - Karen Cushman  
Chicken Boy - Frances O. Dowell  
Criss-Cross - Lynne Rae Perkins  
Cryptid Hunters - Roland Smith  
Day of Tears: a novel in dialogue - Julius Lester  
Double Dutch - Sharon Draper  
Dragonsong - Anne McCaffrey  
Ella Enchanted - Gail Carson Levine  
Elsewhere - Gabrielle Zenin  
Eragon - Christopher Paoli  
Esperanza Rising - Pam Munoz Ryan  
Face on the Milk Carton - Caroline B. Cooney  
Harry Potter - J.K. Rowling  
Hattie's Big Sky - Kirby Larson  
Homeless Bird - Gloria Whelan  
Homesick, My Own Story - Jean Fritz  
Hope was Here - Joan Bauer  
Hunger Games - Suzanne Collins  
In Darkness, Death - Dorothy Hoobler  
Jade Green, A Ghost Story - Phyllis Reynolds Naylor  
Joey Pigza Swallowed the Key - Jack Gantos  
Julie of the Wolves - Jean Craighead George  
Kira-Kira - Cynthia Kadohata  
Lyddie - Katherine Paterson  
Missing May - Cynthia Rylant  
Maniac Magee - Jerry Spinelli  
Out of the Dust - Karen Hesse  
Penny from Heaven - Jennifer L. Holm  
Princess Academy - Shannon Hale  
Princess Diaries - Meg Cabot  
Redwall - Brian Jacques  
Rules - Cynthia Lord  
Running out of Time - Margaret Haddix  
Shakespeare's Secret - Elise Borach  
Sixth-Grade Glommers, Norks and Me - Lisa Papademetriou  
Soul Surfer - Bethany Hamilton  
Stargirl - Jerry Spinelli  
Summer of Fear - Lois Duncan

Sweet Miss Honeywell's Revenge: a ghost story - Kathryn Reiss  
Tale of Desperaux - Kate Dicamillo  
The Higher Power of Lucky - Susan Patron  
The Landry News - Andrew Clements  
The Midwife's Apprentice - Karen Cushman  
The Miraculous Journey of Edward Tulane - Kate Dicamillo  
The Ransom of Mercy Carter - Caroline B. Cooney  
The Sea of Trolls - Nancy Farmer  
The Secret of Castle Cant - K. P. Bath  
The Thief Lord - Cornelia Funke  
The True Confessions of Charlotte Doyle - Avi  
There's a Boy in the Girl's Bathroom - Louis Sachar  
To Dance: A ballerina's graphic novel - Siena Siegel  
Trickster's Choice - Tamora Pierce  
Walk Two Moons - Sharon Creech  
Watson's Go to Birmingham - Christopher Paul Curtis  
Wolf Rider - Avi



# LANGUAGE ARTS



# ALL ABOUT ME

1. Complete the “All About Me” sheet.
2. Read at least (3) three books from the summer reading list
3. Write a one page summary about (1) one of the books that you read.
4. Be ready to share your “All About Me” and your book summary on the first day of school.

# ALL ABOUT ME

My name is \_\_\_\_\_

My favorite Subject is \_\_\_\_\_

My favorite color is \_\_\_\_\_

The name of my last school is \_\_\_\_\_

My favorite animal is \_\_\_\_\_

I am excited about Davidson because \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Draw a picture of something that represents you. For example....a warm and friendly person might draw a picture of the sun.....

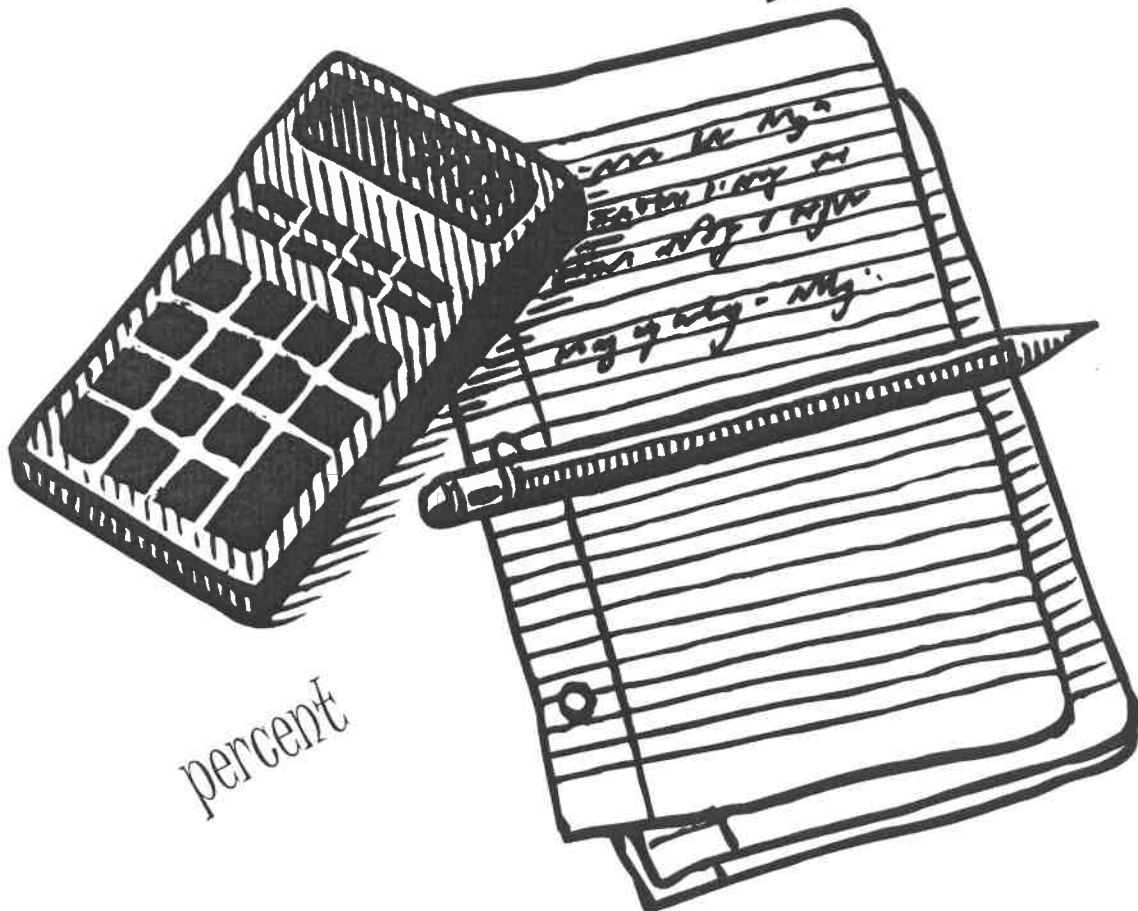
average

# MATH

square root

		2	
	3		
		1	
4			

least common denominator



percent

prime number

Name \_\_\_\_\_ Date \_\_\_\_\_

5A

# BASIC SKILLS

## Fractions: GCF and Simplifying

Write the factors of 12: \_\_\_\_\_

Write the factors of 18: \_\_\_\_\_

The common factors of 12 and 18 are: \_\_\_\_\_

The GCF of 12 and 18 is \_\_\_\_\_

Complete the chart.

Numbers	Factors	Common Factors	Greatest Common Factor
1. 6 and 16			
2. 15 and 24			
3. 10 and 20			
4. 12 and 15			

Simplify the fraction.

5.  $\frac{8}{12} =$  \_\_\_\_\_

6.  $\frac{6}{18} =$  \_\_\_\_\_

7.  $\frac{20}{30} =$  \_\_\_\_\_

8.  $\frac{8}{24} =$  \_\_\_\_\_

9.  $\frac{18}{24} =$  \_\_\_\_\_

10.  $\frac{16}{20} =$  \_\_\_\_\_

11.  $\frac{2}{6} =$  \_\_\_\_\_

12.  $\frac{3}{12} =$  \_\_\_\_\_

13.  $\frac{9}{27} =$  \_\_\_\_\_

14.  $\frac{6}{18} =$  \_\_\_\_\_

15.  $\frac{7}{21} =$  \_\_\_\_\_

16.  $\frac{10}{20} =$  \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

6A

**BASIC SKILLS****Adding and Subtracting Fractions**

Find the sum or difference.

1.  $\frac{1}{3} + \frac{1}{3} = \underline{\hspace{2cm}}$

2.  $\frac{2}{5} + \frac{1}{5} = \underline{\hspace{2cm}}$

3.  $\frac{6}{12} - \frac{5}{12} = \underline{\hspace{2cm}}$

4.  $\frac{6}{7} - \frac{4}{7} = \underline{\hspace{2cm}}$

5.  $\frac{8}{11} - \frac{1}{11} = \underline{\hspace{2cm}}$

6.  $\frac{4}{14} + \frac{5}{14} = \underline{\hspace{2cm}}$

Find the sum or difference. Write in simplest form.

7. 
$$\begin{array}{r} \frac{9}{10} \\ - \frac{7}{10} \\ \hline \end{array}$$

8. 
$$\begin{array}{r} \frac{5}{9} \\ - \frac{2}{9} \\ \hline \end{array}$$

9. 
$$\begin{array}{r} \frac{3}{8} \\ + \frac{3}{8} \\ \hline \end{array}$$

10. 
$$\begin{array}{r} \frac{2}{3} \\ + \frac{2}{3} \\ \hline \end{array}$$

11. 
$$\begin{array}{r} \frac{1}{3} \\ + \frac{1}{6} \\ \hline \end{array}$$

12. 
$$\begin{array}{r} \frac{1}{4} \\ + \frac{3}{8} \\ \hline \end{array}$$

13. 
$$\begin{array}{r} \frac{3}{4} \\ - \frac{1}{12} \\ \hline \end{array}$$

14. 
$$\begin{array}{r} \frac{4}{5} \\ - \frac{1}{10} \\ \hline \end{array}$$

15. 
$$\begin{array}{r} \frac{1}{9} \\ + \frac{1}{3} \\ \hline \end{array}$$

16. 
$$\begin{array}{r} \frac{1}{10} \\ + \frac{2}{5} \\ \hline \end{array}$$

17. 
$$\begin{array}{r} \frac{2}{3} \\ + \frac{1}{9} \\ \hline \end{array}$$

18. 
$$\begin{array}{r} \frac{5}{8} \\ - \frac{1}{2} \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 3\frac{3}{6} \\ + 1\frac{2}{3} \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 3\frac{7}{10} \\ + 4\frac{4}{5} \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 4\frac{7}{8} \\ - 2\frac{1}{2} \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 2\frac{5}{8} \\ + 2\frac{3}{4} \\ \hline \end{array}$$

Name \_\_\_\_\_ Date \_\_\_\_\_

7A

**BASIC SKILLS****Multiplying Fractions**

Draw a model to find the product.

1.  $2 \times \frac{3}{4}$

2.  $8 \times \frac{3}{4}$

3.  $10 \times \frac{5}{6}$

4.  $3 \times \frac{4}{5}$

5.  $6 \times \frac{3}{5}$

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

Write the product in simplest form.

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

8.  $\frac{3}{10} \times \frac{3}{10} =$  \_\_\_\_\_

9.  $10 \times \frac{2}{5} =$  \_\_\_\_\_

10.  $3 \times \frac{4}{5} =$  \_\_\_\_\_

11.  $5 \times \frac{1}{3} =$  \_\_\_\_\_

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

13.  $1\frac{2}{3} \times 2\frac{1}{2} =$  \_\_\_\_\_

14.  $\frac{3}{8} \times 1\frac{3}{4} =$  \_\_\_\_\_

15.  $2\frac{3}{4} \times 3 =$  \_\_\_\_\_

16.  $2\frac{3}{7} \times 2 =$  \_\_\_\_\_

17.  $\frac{2}{9} \times \frac{5}{9} =$  \_\_\_\_\_

18.  $\frac{1}{2} \times 6 =$  \_\_\_\_\_

19.  $9 \times \frac{1}{6} =$  \_\_\_\_\_

20.  $2\frac{1}{2} \times 3 =$  \_\_\_\_\_

21.  $6\frac{1}{4} \times 10 =$  \_\_\_\_\_

22.  $4\frac{1}{2} \times 1\frac{1}{4} =$  \_\_\_\_\_

23.  $1\frac{2}{3} \times 1\frac{2}{5} =$  \_\_\_\_\_

24.  $\frac{6}{7} \times 2\frac{1}{2} =$  \_\_\_\_\_

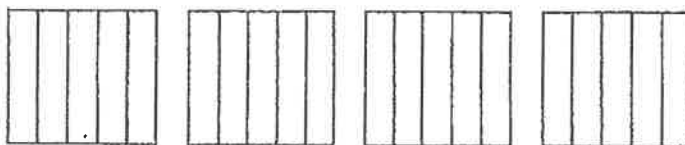
Name \_\_\_\_\_ Date \_\_\_\_\_

8A

**BASIC SKILLS****Dividing Fractions**

1. How many fifths are in four?

$4 \div \frac{1}{5} = \underline{\hspace{2cm}}$



Draw a model to find the quotient.

2.  $5 \div \frac{1}{6}$

3.  $3 \div \frac{1}{8}$

4.  $5 \div \frac{1}{5}$

5.  $2 \div \frac{1}{3}$

6.  $4 \div \frac{1}{5}$

7.  $4 \div \frac{1}{6}$

Write the quotient in simplest form.

8.  $2 \div \frac{1}{6} = \underline{\hspace{2cm}}$

9.  $4 \div \frac{1}{2} = \underline{\hspace{2cm}}$

10.  $3 \div \frac{1}{6} = \underline{\hspace{2cm}}$

11.  $6 \div \frac{1}{4} = \underline{\hspace{2cm}}$

12.  $2 \div \frac{1}{2} = \underline{\hspace{2cm}}$

13.  $4 \div \frac{1}{5} = \underline{\hspace{2cm}}$

14.  $5 \div \frac{1}{2} = \underline{\hspace{2cm}}$

15.  $3 \div \frac{1}{3} = \underline{\hspace{2cm}}$

16.  $2 \div \frac{1}{6} = \underline{\hspace{2cm}}$

17.  $12 \div \frac{1}{3} = \underline{\hspace{2cm}}$

18.  $16 \div \frac{1}{3} = \underline{\hspace{2cm}}$

19.  $8 \div \frac{1}{4} = \underline{\hspace{2cm}}$

Name \_\_\_\_\_ Date \_\_\_\_\_

11A

**BASIC SKILLS****Multiplying Decimals**

Use an estimate to write the decimal point in the product.

$$\begin{array}{r} 1. \quad 6.27 \\ \times 4.9 \\ \hline 30723 \end{array}$$

$$\begin{array}{r} 2. \quad 5.8 \\ \times 3.7 \\ \hline 2146 \end{array}$$

$$\begin{array}{r} 3. \quad 27.8 \\ \times 3.81 \\ \hline 105918 \end{array}$$

$$\begin{array}{r} 4. \quad 432.3 \\ \times 7.6 \\ \hline 328548 \end{array}$$

Estimate the product.

$$\begin{array}{r} 5. \quad 5.72 \\ \times 3.8 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 1.5 \\ \times 8.6 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 16.2 \\ \times 9.2 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 20.8 \\ \times 6.2 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 25.9 \\ \times 4.7 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 87.2 \\ \times 8.3 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 14.9 \\ \times 6.7 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 97.2 \\ \times 6.8 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 36.6 \\ \times 1.2 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 79.2 \\ \times 2.5 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 69.8 \\ \times 2.4 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 29.7 \\ \times 6.3 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 8.91 \\ \times 3.1 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 6.5 \\ \times 4.9 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 37.0 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 97.3 \\ \times 4.2 \\ \hline \end{array}$$

$$21. \quad 26.6 \times 1.3 = \underline{\hspace{2cm}}$$

$$22. \quad 0.79 \times 80.7 = \underline{\hspace{2cm}}$$

$$23. \quad 0.66 \times 0.4 = \underline{\hspace{2cm}}$$

$$24. \quad 27.3 \times 0.09 = \underline{\hspace{2cm}}$$

Name \_\_\_\_\_

Date \_\_\_\_\_

12B

**BASIC SKILLS****Dividing Decimals**

Find the quotient.

1.  $5 \overline{)71.7}$

2.  $2 \overline{)9.15}$

3.  $4 \overline{)1.4}$

4.  $6 \overline{)3.3}$

5.  $8 \overline{)83.6}$

6.  $5 \overline{)13.7}$

7.  $2 \overline{)7.9}$

8.  $6 \overline{)5.82}$

9.  $9 \overline{)20.25}$

10.  $11 \overline{)3.41}$

11.  $15 \overline{)71.25}$

12.  $32 \overline{)81.6}$

Find the quotient. Remember to place the dollar sign in your answer.

13.  $6 \overline{)\$42}$

14.  $5 \overline{)\$.65}$

15.  $9 \overline{)\$7.02}$

16.  $4 \overline{)\$2.56}$

17.  $12 \overline{)\$24.12}$

18.  $9 \overline{)\$123.30}$

19.  $3 \overline{)\$45.06}$

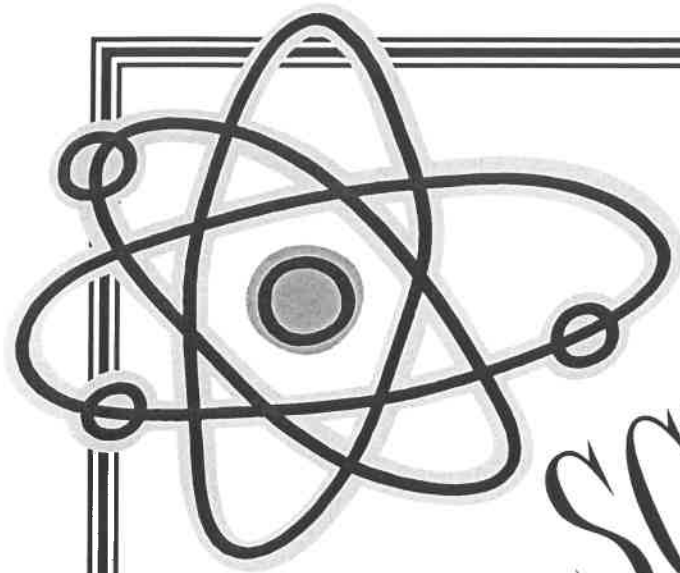
20.  $7 \overline{)\$620.20}$

21.  $38 \overline{)\$22.42}$

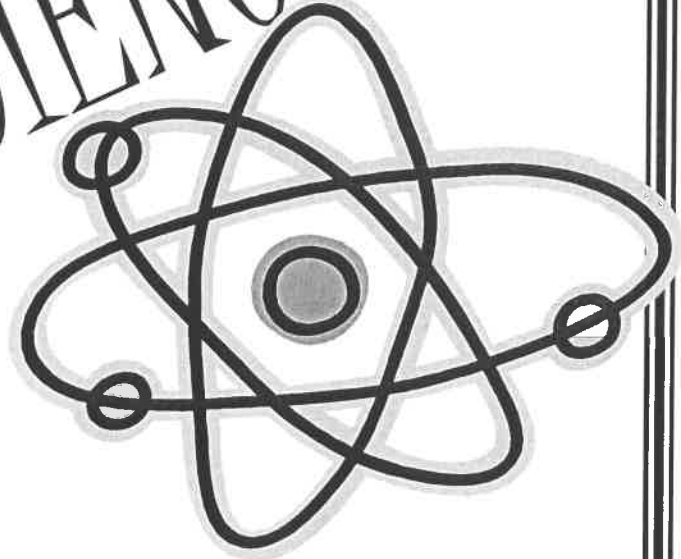
22.  $5 \overline{)\$62.15}$

23.  $4 \overline{)\$34.56}$

24.  $25 \overline{)\$23.75}$



# SCIENCE



Where was Albert Einstein born?

What scientist studied motion, forces, & energy?

Who is credited with the discovery of penicillin?

What kind of scientist studies animals?

What is a Geologist?

What did Johannes Gutenberg invent?

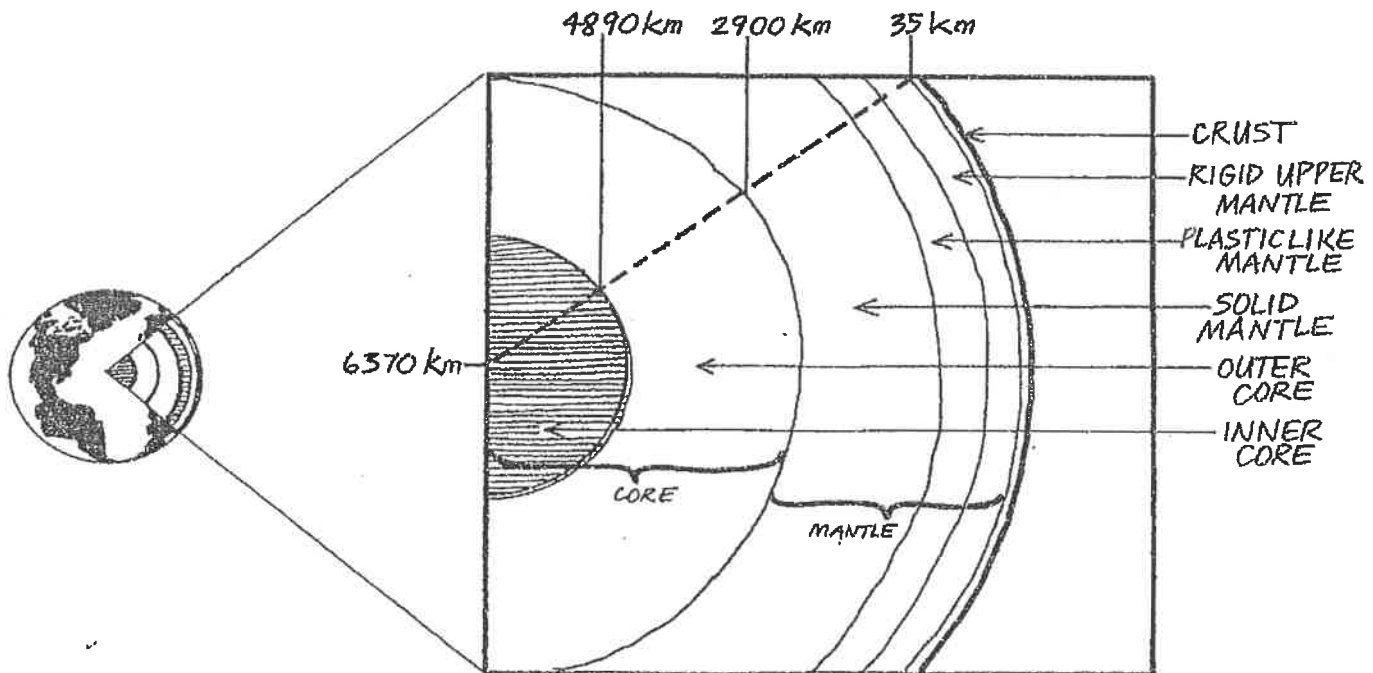
Who invented the Telephone?

What is Astrology?

What kind of scientist studies Insects?

# DIGGING IN

No one has ever been able to dig into all the layers of Earth. If you could do it, you'd find things very different from what you see on the surface. Scientists have never gotten below the crust—so they can only use instruments to guess about what's inside. But they have some good ideas about Earth's layers. Pretend you are in the process of digging all the way to the center of Earth by answering these questions as you go! You'll need a science text or encyclopedia to help you answer some of the questions. Others can be answered from studying the diagram below.



1. You're digging through the outermost layer. Where are you? \_\_\_\_\_
2. You reach the point where the mantle begins. What is it called? \_\_\_\_\_
3. You've gotten to about 100 km below the surface. Where are you? \_\_\_\_\_
4. The inside of Earth is very plasticlike here. Could you be in the mantle? \_\_\_\_\_
5. You're in a rocky, rigid layer. Where are you? \_\_\_\_\_
6. You're at the Gutenberg Discontinuity. Where are you? \_\_\_\_\_
7. You're close to the center, in a solid area. Where are you? \_\_\_\_\_
8. You're close to the center, but in a liquid area. Where are you? \_\_\_\_\_
9. You're in the crust, but only 5 km below the surface. What are you under? \_\_\_\_\_
10. You're in a near-fluid area about 200 km down. Where are you? \_\_\_\_\_

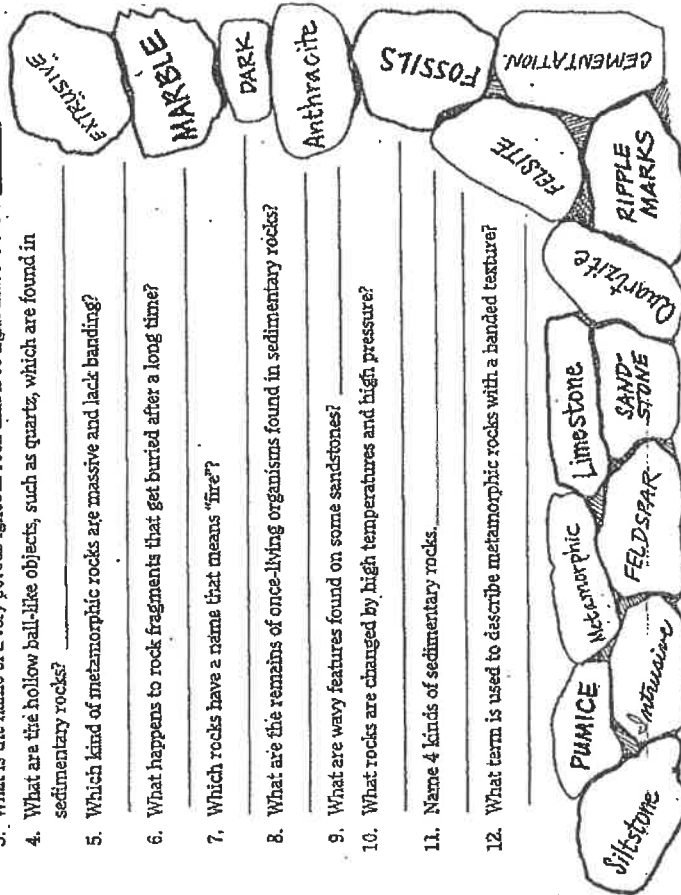
Name \_\_\_\_\_

## TAKEN FOR "GRANITE"

Spewing, erupting volcanoes... high temperatures... tons of pressure... deposits of buried and hardened fragments... all of these lead to something we take for granted—the common (or not so common) ROCK! You might think rocks are pretty ordinary, not worth a lot of attention. Or you may be a serious rock hound (someone who loves, collects, and studies rocks). Whichever you are, it's good to know about rocks, because they're a pretty fundamental part of your world.

Show that you don't take rocks for granted by answering the questions on these two pages (42 and 43). You'll find some help on the rocks at the bottom of both pages. An answer may be used more than once.

- What are the three big groups of rocks?
- Which rocks are formed from hardened lava that flowed from volcanoes?
- What is the name of a very porous igneous rock that is so light that it floats?
- What are the hollow ball-like objects, such as quartz, which are found in sedimentary rocks?
- Which kind of metamorphic rocks are massive and lack banding?
- What happens to rock fragments that get buried after a long time?
- Which rocks have a name that means "fire"?
- What are the remains of once-living organisms found in sedimentary rocks?
- What are wavy features found on some sandstones?
- What rocks are changed by high temperatures and high pressure?
- Name 4 kinds of sedimentary rocks.
- What term is used to describe metamorphic rocks with a banded texture?



Use with page 43.

Name \_\_\_\_\_

Basic Skills/Earth & Space Science 6-8\*

42

Copyright ©1997 by Incentive Publications, Inc., Nashville, TN.

Use with page 42.

- What kinds of rocks are similar to layers of cake?
- Basaltic magma would form what color of igneous rock?
- What 2 groups of rocks are formed from all 3 kinds of rocks?

16. What class of sedimentary rocks is made of fragments of rocks, minerals, and shells?

17. Which igneous rocks are coarse-grained due to slow cooling?

18. Name 4 kinds of metamorphic rocks.

19. What kinds of rocks are caused by weathering?

20. Name 4 kinds of igneous rocks.

21. What is the class that includes sedimentary rocks which are deposited from a solution made by organic processes?

22. What metamorphic rock is commonly known as "coal"?

23. Which igneous rocks are fine-grained due to fast cooling?

24. What process happens when mud or silt is buried and water and air are squeezed out, producing such rocks as shale?

25. What process happens when minerals are precipitated out of water and hold particles of rock together?

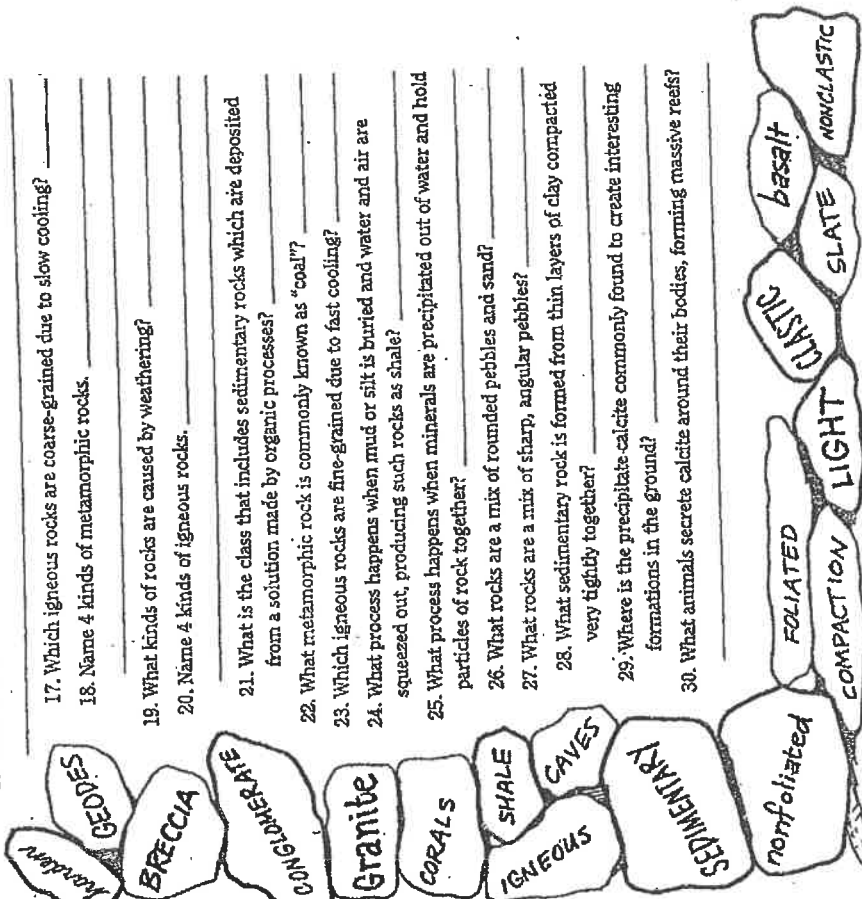
26. What rocks are a mix of rounded pebbles and sand?

27. What rocks are a mix of sharp, angular pebbles?

28. What sedimentary rock is formed from thin layers of clay compacted very tightly together?

29. Where is the precipitate-calcite commonly found to create interesting formations in the ground?

30. What animals secrete calcite around their bodies, forming massive reefs?



Name \_\_\_\_\_

Basic Skills/Earth & Space Science 6-8\*

43

Copyright ©1997 by Incentive Publications, Inc., Nashville, TN.

Asia

# SOCIAL STUDIES

South America

Europe

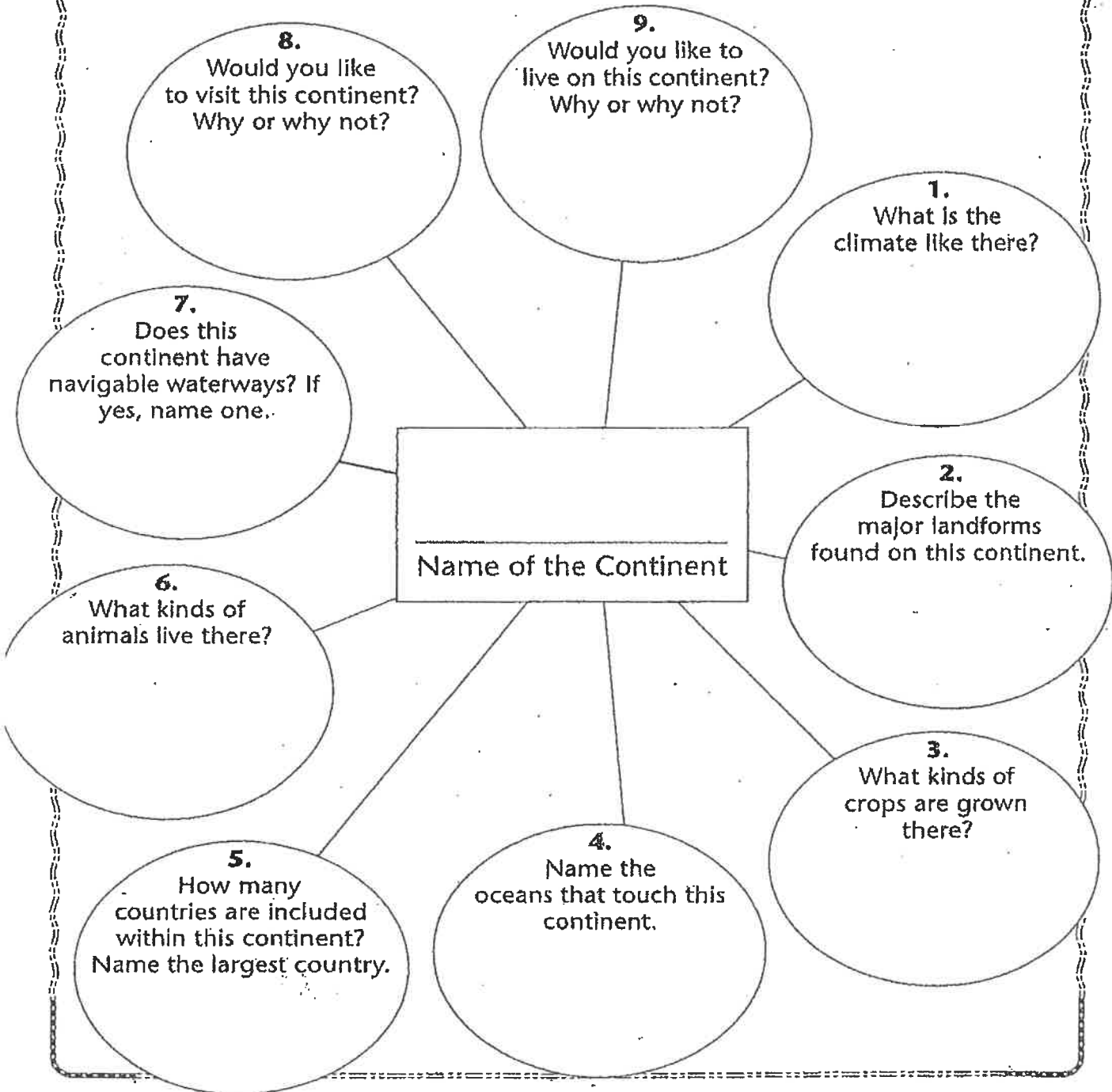
North America



## Find Out More About This Continent

Research one of the continents of the world to uncover the information needed to answer the following questions.

Then write a report about your findings.



# The Seas of Europe

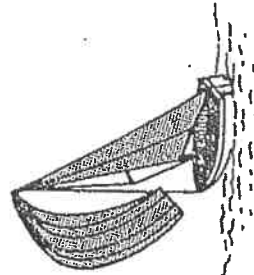
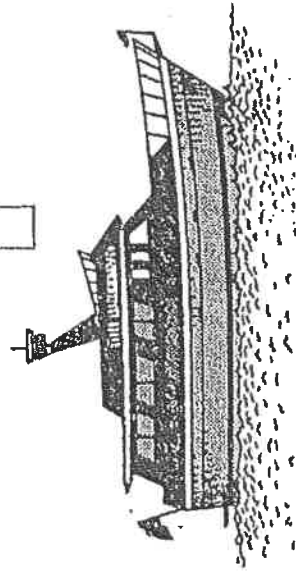
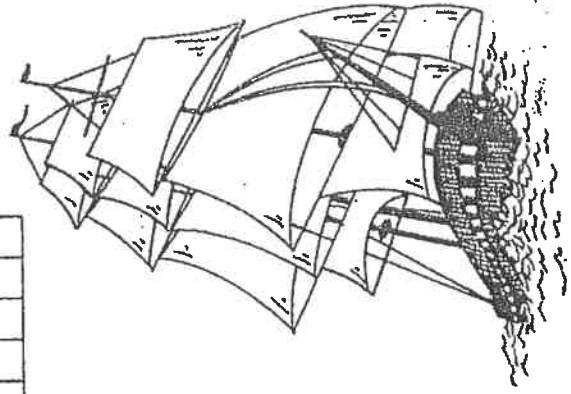
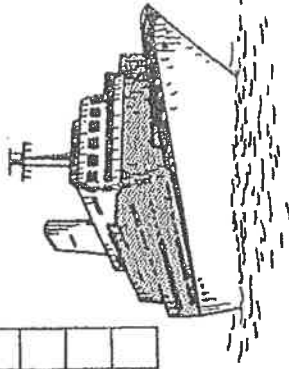
Complete the crossword puzzle with the words from the list below.

## Across

2. a sea south of Spain and France, west of Italy, and north of Africa
4. the sea north and northwest of Norway
5. a sea north of the U.S.S.R. and Norway
7. a body of water touching the U.S.S.R., Poland, Germany, Denmark, Sweden, and Finland
8. a waterway leading from the Black Sea to the Mediterranean Sea

## Down

1. a sea south of the U.S.S.R., east of Romania and Bulgaria
3. a great body of water west of Europe and east of North America
4. a sea by the Netherlands, Denmark, and Germany
6. the sea east of Italy and west of Yugoslavia and Albania



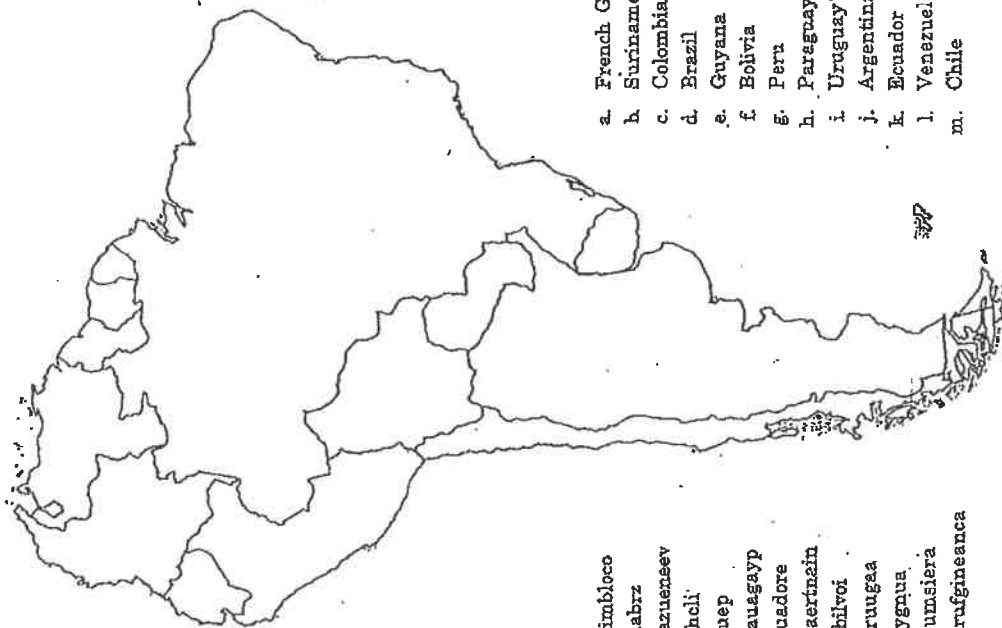
Mediterranean Sea  
North Sea  
Norwegian Sea

Barents Sea  
Black Sea  
Dardanelles

Adriatic Sea  
Atlantic Ocean  
Baltic Sea

## Countries of South America

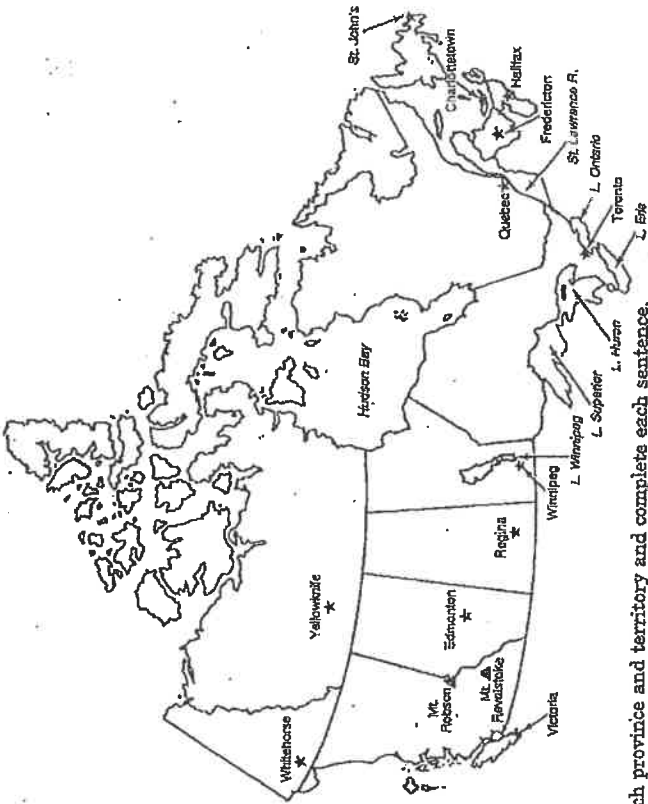
Match the scrambled word with the correct spelling of each South American country.  
Label the countries on the map.



1. aimbloco
2. liabrz
3. lazueneseev
4. ehcli
5. ruep
6. rausagayp
7. cuadore
8. gaertnain
9. ahilvoi
10. yruugaa
11. sygrua
12. numsierra
13. brufigneanca

- a. French Guiana
- b. Suriname
- c. Colombia
- d. Brazil
- e. Guyana
- f. Bolivia
- g. Peru
- h. Paraguay
- i. Uruguay
- j. Argentina
- k. Ecuador
- l. Venezuela
- m. Chile

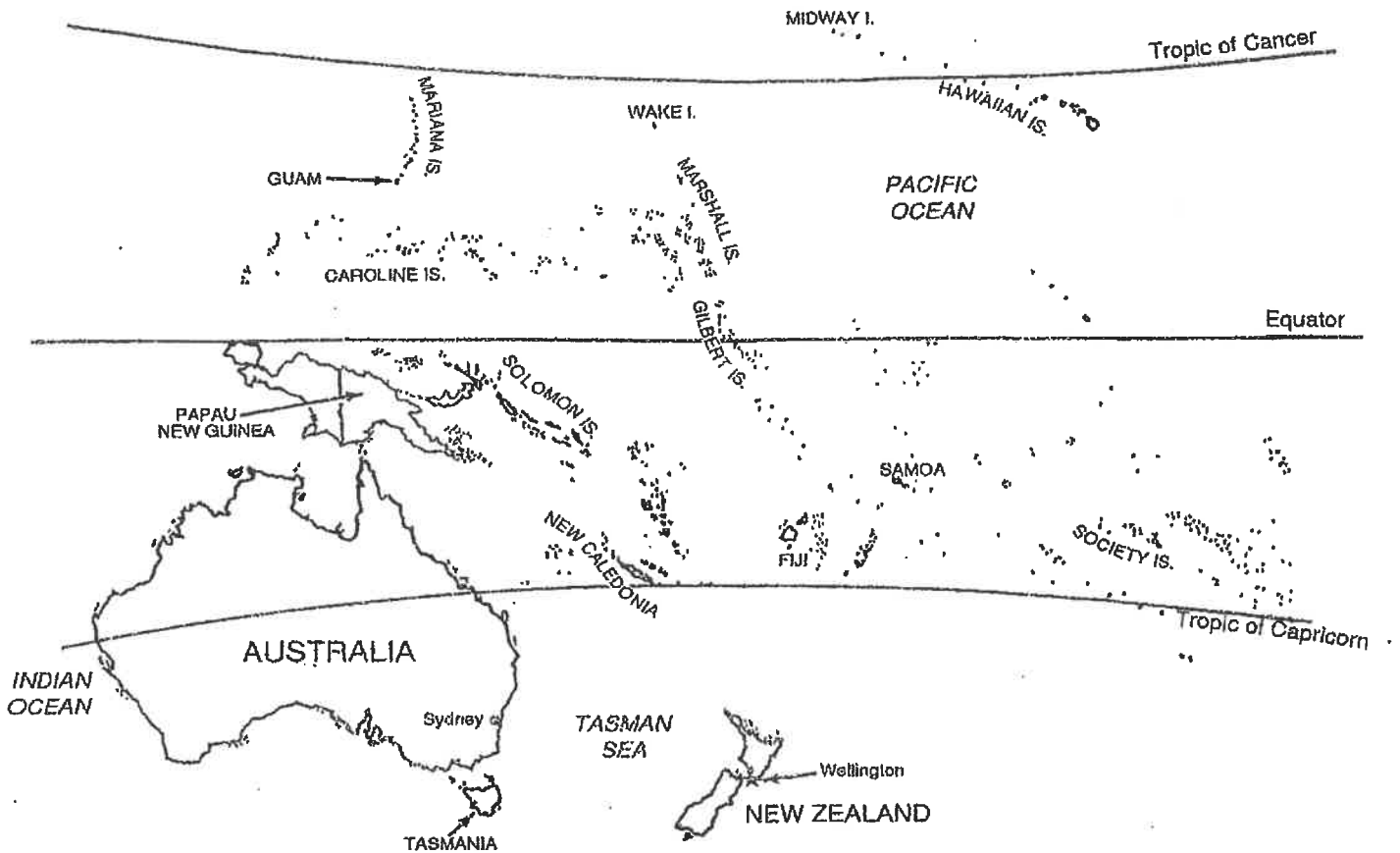
## Features of Canada



Label each province and territory and complete each sentence.

1. Most of Canada's mountains are located in the territories or provinces of \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
2. The \_\_\_\_\_ is a major waterway. It handles more freight than the Panama and Suez canals combined. It separates Quebec from the United States.
3. \_\_\_\_\_ Territory is located along the eastern border of Alaska.
4. The \_\_\_\_\_ includes hundreds of islands in its boundaries.
5. Edmonton is the capital of \_\_\_\_\_.
6. \_\_\_\_\_ shares Lake Ontario with the state of New York.
7. Mt. Robson and Mt. Revelstoke are in the province of \_\_\_\_\_.
8. The capital of Saskatchewan is \_\_\_\_\_.
9. Lake Winnipeg is found in the province of \_\_\_\_\_.
10. The Hudson Bay can be found in the four provinces or territories of \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

# Australia and Oceania



Use the map and additional references to circle the correct answer.

1. Of the islands shown above, which lie nearest the equator, the Solomon Islands or the Hawaiian Islands?
2. Which are the farthest north, the Solomon Islands or the Mariana Islands?
3. Which are the nearest to Asia, the Caroline Islands or the Society Islands?
4. What sea lies between New Zealand and Australia, the Red Sea or the Tasman Sea?
5. Is Tasmania north or south of Australia?
6. Is the capital of New Zealand Auckland or Wellington?
7. Which islands are closer to the Tropic of Cancer, the Hawaiian Islands or the Marshall Islands?
8. Are the thousands of scattered islands in the South Pacific near Australia called New Zealand or Oceania?
9. Which two islands or island chains belong to Polynesia: Gilbert, Hawaii, Wake, or the Society Islands?
10. Melanesia includes which two of these islands or island chains: New Caledonia, Guam, the Solomon Islands, or Samoa?