Math

Language Arts

Science

Social Studies

Fine Arts

John S. Davidson Fine Arts Magnet School
2019-2020

6th 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
6th Grade Summer Reading List

Language Arts

All About Me

Mathematics

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

Science

Duging 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
Welcome to Davidson Fine Arts Magnet School, home of the Titans! Please read the information below and discuss it with your child. Although Davidson Fine Arts provides a wide range of creative classes (dance, art, music and drama), the sixth-grade teachers have the responsibility of preparing students academically for the skills that they will need as they grow and matriculate here at Davidson Fine Arts Magnet. Davidson has a very rigorous and challenging academic environment and the students are expected to govern themselves accordingly.

**Homework**
Homework is important because it is a valuable tool used to help students make the most of their experience at Davidson Fine Arts. 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 Monday through Thursday nights.

Students are required to write their daily homework assignments in their agendas. We request that parents check the agenda against the completed work for the first two to three weeks or until the student demonstrates good organizational skills. Homework should be completely finished by the beginning of class time the following day. All homework assignments will be checked for completion then recorded in the grade book. The homework assignments are scored according to the number of assignments given each week. Since the homework is graded for completion, we do not give partial or half credit for an incomplete homework assignment. We expect students to do their best work on each homework assignment. We expect homework to be neat, not sloppy. All math work, in class and at home, should be done in pencil. No late homework assignments will be accepted. Students will not be allowed to go back to their locker to get their homework assignment. Students who have forgotten their homework will not be allowed to call their parents and have them bring their homework to school. Sharing homework with a classmate for the purpose of “copying” will result in disciplinary action for all involved.

Parents are the key to making homework a positive experience for their children. Therefore, we ask that you make homework a top priority at home. Provide the supplies needed and create a quiet homework environment where the student can work but still be monitored by a parent. Set aside a time every day when homework is to be done and offer praise and support for a job well done. Always encourage and answer questions, but let the work reflect your child’s individual effort and ability.

**Homework 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. Praise him/her for showing responsibility at home and at school.
- Spend at least fifteen minutes a day reading good books with your child or have him/her read independently. This is the single most effective thing you can do to improve his/her academic performance.
Homework on the Internet
Homework, other assignments, announcements, and general information are posted on the web at www.rcbdes.org/davidson. Students will have to search class pages by selecting the teacher’s name under the staff and department tab. Students are required, however, to copy homework off the board into their agendas. This is a part of the study skills curriculum. For this reason, the website should only be used as a double check or an aid to parents.

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. All graded papers should be kept in the vinyl folder unless directed otherwise by the teacher, until the report card has been seen and signed by a parent or guardian. A parent can check a student’s grades through the Parental Portal on Infinite Campus. To access Parent Portal, go to www.rcboes.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 would have an account if you have a child already in Richmond County School System.

Progress Reports
Progress reports will be issued the fifth week of each nine weeks. These reports must be signed and returned to the homeroom teacher. Progress reports, or any other paper sent home to be signed, must be returned signed within two days. If the paper is not returned the second day, one hour of after school detention will be assigned.

Forgery of signed papers/Progress report
- Three hours of detention will be given and the student will be receive a “U” in conduct for the nine weeks.
- 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
- #9 on Davidson Fine Arts 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.
- A “U” in conduct for the nine weeks will also result from any cheating incident.

Failure to follow directions/write name on paper
Students will lose five points on the graded assignment.

Using a pen instead of pencil in math class
Student will lose five points on the graded assignment.

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, twenty-two points will be deducted from the grade earned on the assignment.
- If the work is three days late, thirty-three points will be deducted from the grade earned on the assignment.
- An automatic twenty-two point deduction is taken over a weekend.
No book brought to class
The first time a book is forgotten, a warning is given. The second and subsequent times, one hour of detention is assigned. This policy is renewed at the beginning of each nine weeks.

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/evaluations missed after a one or two day absence will be made up the day the student returns.

Grade averaging for core subject areas

<table>
<thead>
<tr>
<th>Language arts</th>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tests/projects = 40%</td>
<td>Tests/projects = 45%</td>
</tr>
<tr>
<td>Quizzes = 30%</td>
<td>Labs = 35%</td>
</tr>
<tr>
<td>Classwork = 25%</td>
<td>Graded class work/quizzes = 15%</td>
</tr>
<tr>
<td>Homework = 5%</td>
<td>Homework = 5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Social Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tests/projects = 35%</td>
<td>Test/projects = 40%</td>
</tr>
<tr>
<td>Quizzes = 25%</td>
<td>Quizzes/reports = 30%</td>
</tr>
<tr>
<td>Class work/participation = 20%</td>
<td>Graded work = 25%</td>
</tr>
<tr>
<td>Labs = 15%</td>
<td>Homework/GPS checklist = 5%</td>
</tr>
<tr>
<td>Homework = 5%</td>
<td></td>
</tr>
</tbody>
</table>

Contacting teachers
The sixth grade teachers are available during their planning periods for prearranged conferences (arranged through Mrs. Julie Landis, 706-823-6924, ext. 206). 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:

<table>
<thead>
<tr>
<th>Language arts</th>
<th><a href="mailto:vealevi@boe.richmond.k12.ga.us">vealevi@boe.richmond.k12.ga.us</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Virginia Veale</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mathematics</th>
<th><a href="mailto:tatemti@boe.richmond.k12.ga.us">tatemti@boe.richmond.k12.ga.us</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Tiffany Tatem</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Science</th>
<th><a href="mailto:mcculsa@boe.richmond.k12.ga.us">mcculsa@boe.richmond.k12.ga.us</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Sandra McCullough</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Studies</th>
<th><a href="mailto:kingle@boe.richmond.k12.ga.us">kingle@boe.richmond.k12.ga.us</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Lee King</td>
<td></td>
</tr>
</tbody>
</table>
# 6th Grade Supply List

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

**KEEP ITEMS AT HOME. Student may replenish as needed**
Sixth Grade 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
Bount - 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 Zevin
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, Horks 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 Despereaux - 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 Carol - 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
Hunger Games
By Suzanne Collins
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...
Hello Sixth Grade Families,

I have placed in some concepts that each student should be able to do before entering the sixth grade. Attached are some skills that students should complete as summer practice. Please feel free to email me if you have any questions.

Email address: TatemTi1@boe.richmond.k12.ga.us

Students *need to know:*

- 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
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.

<table>
<thead>
<tr>
<th>Numbers</th>
<th>Factors</th>
<th>Common Factors</th>
<th>Greatest Common Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 6 and 16</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. 15 and 24</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. 10 and 20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. 12 and 15</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Simplify the fraction.

5. \( \frac{3}{12} = \) ______ 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. \( \frac{10}{20} = \) ______
Adding and Subtracting Fractions

Find the sum or difference.

1. \( \frac{1}{3} + \frac{1}{3} = \) 
2. \( \frac{2}{5} + \frac{1}{5} = \) 
3. \( \frac{6}{12} - \frac{5}{12} = \) 
4. \( \frac{6}{7} - \frac{4}{7} = \) 
5. \( \frac{8}{11} - \frac{1}{11} = \) 
6. \( \frac{4}{14} + \frac{5}{14} = \) 

Find the sum or difference. Write in simplest form.

7. \( \frac{9}{10} - \frac{7}{10} = \) 
8. \( \frac{5}{9} - \frac{2}{9} = \) 
9. \( \frac{3}{8} + \frac{3}{8} = \) 
10. \( \frac{2}{9} + \frac{2}{9} = \) 
11. \( \frac{1}{2} + \frac{1}{6} = \) 
12. \( \frac{1}{4} + \frac{3}{8} = \) 
13. \( \frac{3}{4} - \frac{1}{12} = \) 
14. \( \frac{4}{5} - \frac{1}{10} = \) 
15. \( \frac{1}{9} + \frac{1}{3} = \) 
16. \( \frac{1}{10} + \frac{2}{5} = \) 
17. \( \frac{2}{3} + \frac{1}{9} = \) 
18. \( \frac{5}{8} - \frac{1}{2} = \) 
19. \( 3\frac{3}{6} + \frac{1}{3} = \) 
20. \( 3\frac{7}{10} + 4\frac{4}{5} = \) 
21. \( 4\frac{7}{8} - 2\frac{1}{2} = \) 
22. \( 2\frac{5}{8} + 2\frac{3}{4} = \)
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. \(1\frac{2}{3} \times 1\frac{2}{3}\) =  
24. \(\frac{6}{7} \times 2\frac{1}{2}\) =  

*Achieving Facts Fluency*
BASIC SKILLS

Dividing Fractions

1. How many fifths are in four?

\[ 4 \div \frac{1}{5} = \]

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. \[ 2 \div \frac{1}{6} = \]

9. \[ 4 \div \frac{1}{2} = \]

10. \[ 3 \div \frac{1}{5} = \]

11. \[ 6 \div \frac{1}{4} = \]

12. \[ 2 \div \frac{1}{2} = \]

13. \[ 4 \div \frac{1}{5} = \]

14. \[ 5 \div \frac{1}{2} = \]

15. \[ 3 \div \frac{1}{3} = \]

16. \[ 2 \div \frac{1}{6} = \]

17. \[ 12 \div \frac{1}{3} = \]

18. \[ 16 \div \frac{1}{3} = \]

19. \[ 8 \div \frac{1}{4} = \]
Level 6

Name __________________________ Date ____________

**BASIC SKILLS**

Adding and Subtracting Decimals

Estimate the sum or difference.

1. $3.2 + 4.3 = \underline{\hspace{1cm}}$
2. $9.1 - 1.9 = \underline{\hspace{1cm}}$
3. $16.3 + 2.8 = \underline{\hspace{1cm}}$

4. $6.2 + 4.9 = \underline{\hspace{1cm}}$
5. $15.08 + 5.70 = \underline{\hspace{1cm}}$
6. $0.78 + 66.51 = \underline{\hspace{1cm}}$
7. $2.18 + 62.62 = \underline{\hspace{1cm}}$

Estimate to determine whether the sum or difference is reasonable. Write yes or no.

8. $7.5 + 9.0 = \underline{\hspace{1cm}}$
   \[ \underline{25.5} \]
9. $14.9 - 10.2 = \underline{\hspace{1cm}}$
   \[ \underline{14.7} \]
10. $13.8 - 8.1 = \underline{\hspace{1cm}}$
    \[ \underline{0.7} \]

11. $8.62 - 7.24 = \underline{\hspace{1cm}}$
    \[ \underline{1.08} \]
12. $14.8 + 6.3 = \underline{\hspace{1cm}}$
    \[ \underline{20.1} \]
13. $239.9 - 103.5 = \underline{\hspace{1cm}}$
    \[ \underline{10.4} \]

Find the sum or difference. Estimate to check that your answer is reasonable.

14. $7.3 + 0.2 = \underline{\hspace{1cm}}$
15. $6.5 + 1.65 = \underline{\hspace{1cm}}$
16. $0.8 + 0.4 = \underline{\hspace{1cm}}$
17. $5.39 - 2.30 = \underline{\hspace{1cm}}$
18. $4.32 - 1.97 = \underline{\hspace{1cm}}$

19. $5.8 - 1.92 = \underline{\hspace{1cm}}$
20. $7.8 - 3.91 = \underline{\hspace{1cm}}$
21. $14.01 + 0.35 = \underline{\hspace{1cm}}$
22. $0.535 + 2.16 = \underline{\hspace{1cm}}$
23. $15 + 2.45 = \underline{\hspace{1cm}}$

Achieving Facts Fluency
Use an estimate to write the decimal point in the product.

1. \( \frac{6.27 \times 4.9}{30723} \)
2. \( \frac{5.8 \times 3.7}{2146} \)
3. \( \frac{27.8 \times 3.81}{105918} \)
4. \( \frac{432.3 \times 7.6}{328548} \)

Estimate the product.

5. \( \frac{5.72 \times 3.8}{\text{approx. 20}} \)
6. \( \frac{1.5 \times 8.6}{\text{approx. 12}} \)
7. \( \frac{16.2 \times 9.2}{\text{approx. 145}} \)
8. \( \frac{20.8 \times 6.2}{\text{approx. 130}} \)

9. \( \frac{25.9 \times 4.7}{\text{approx. 120}} \)
10. \( \frac{87.2 \times 8.3}{\text{approx. 720}} \)
11. \( \frac{14.9 \times 6.7}{\text{approx. 100}} \)
12. \( \frac{97.2 \times 6.8}{\text{approx. 650}} \)

13. \( \frac{36.6 \times 1.2}{\text{approx. 40}} \)
14. \( \frac{79.2 \times 2.5}{\text{approx. 200}} \)
15. \( \frac{69.8 \times 2.4}{\text{approx. 170}} \)
16. \( \frac{29.7 \times 5.3}{\text{approx. 150}} \)

17. \( \frac{8.91 \times 3.1}{\text{approx. 28}} \)
18. \( \frac{6.5 \times 4.9}{\text{approx. 32}} \)
19. \( \frac{37.0 \times \underline{9}}{\text{approx. 333}} \)
20. \( \frac{97.3 \times \underline{4.2}}{\text{approx. 410}} \)

21. \( 26.6 \times 1.3 = \text{_____} \)
22. \( 0.79 \times 80.7 = \text{_____} \)
23. \( 0.66 \times 0.4 = \text{_____} \)
24. \( 27.3 \times 0.09 = \text{_____} \)
Find the quotient.

1. \(\frac{71.7}{5}\)  
2. \(\frac{9.15}{2}\)  
3. \(\frac{1.4}{4}\)  
4. \(\frac{3.3}{6}\)

5. \(\frac{83.6}{8}\)  
6. \(\frac{13.7}{5}\)  
7. \(\frac{7.9}{2}\)  
8. \(\frac{5.82}{6}\)

9. \(\frac{20.25}{9}\)  
10. \(\frac{3.41}{11}\)  
11. \(\frac{71.25}{15}\)  
12. \(\frac{81.6}{32}\)

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

13. \(\frac{.42}{6}\)  
14. \(\frac{.65}{5}\)  
15. \(\frac{7.02}{9}\)  
16. \(\frac{2.56}{4}\)

17. \(\frac{24.12}{12}\)  
18. \(\frac{123.30}{9}\)  
19. \(\frac{45.06}{3}\)  
20. \(\frac{620.20}{7}\)

21. \(\frac{22.42}{38}\)  
22. \(\frac{62.15}{5}\)  
23. \(\frac{34.56}{4}\)  
24. \(\frac{23.75}{25}\)
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—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?
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.

1. What are the three big groups of rocks? ____________________________

2. Which rocks are formed from hardened lava that flowed from volcanoes? ____________________________

3. What is the name of a very porous igneous rock that is so light that it floats? ____________________________

4. What are the hollow ball-like objects, such as quartz, which are found in sedimentary rocks? ____________________________

5. Which kind of metamorphic rocks are massive and lack banding? ____________________________

6. What happens to rock fragments that get buried after a long time? ____________________________

7. Which rocks have a name that means "fire"? ____________________________

8. What are the remains of once-living organisms found in sedimentary rocks? ____________________________

9. What are wavy features found on some sandstones? ____________________________

10. What rocks are changed by high temperatures and high pressure? ____________________________

11. Name 4 kinds of sedimentary rocks. ____________________________

12. What term is used to describe metamorphic rocks with a banded texture? ____________________________

Use with page 43.

Name ____________________________

Bible Skills/Earth & Space Science C-9

Use with page 42.

13. What kinds of rocks are similar to layers of cake? ____________________________

14. Basaltic magma would form what color of igneous rock? ____________________________

15. 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? ____________________________
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.

1. What is the climate like there?

2. Describe the major landforms found on this continent.

3. What kinds of crops are grown there?

4. Name the oceans that touch this continent.

5. How many countries are included within this continent? Name the largest country.

6. What kinds of animals live there?

7. Does this continent have navigable waterways? If yes, name one.

8. Would you like to visit this continent? Why or why not?

9. Would you like to live on this continent? Why or why not?

Name of the Continent

Super Social Studies Scholastic Professional Books, 1999
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

Adriatic Sea
Atlantic Ocean
Baltic Sea
Barents Sea
Black Sea
Dardanelles
Mediterranean Sea
North Sea
Norwegian Sea

Where in the World?
Countries of South America

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

1. simibloco
2. liabra
3. lazumeve
4. echli
5. ruep
6. rauagayp
7. cuadore
8. gaertnain
9. akhovoi
10. yruugas
11. aygnua
12. numsiere
13. hrufginesanca

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 ___________.
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?