

GRADE 6 PRENDERGAST SCHOOL 2019-2020

Dear Parents/Guardians and Students,

Attached you will find the plans for the next 10 days. Please look through it with your child and have them complete the assignments on a daily basis. Contact us with any questions via email or Class Dojo. Stay healthy and be safe!

Sincerely,
The Grade 6 Team

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<p>Optional Resources: If you have internet access and a device at home, we strongly encourage the usage of the following resources below.</p> <p>Students can access these links using the Ansonia school page and clicking on Clever.</p> <p>Student Passwords: 6 digit student ID</p> <p>Student Password: ansonia</p>				
myON	Reflex	IXL	Mystery Science	Lexia
Pearson Science				

Grade 6	Day 1	Day 2	Day 3
Math (15-20 min)	<u>Fluency Practice:</u> Adding and Subtracting with Decimals to the hundredths place worksheet <u>Skills Practice:</u> Adding and Subtracting with Decimals to the thousandths place worksheet	<u>Fluency Practice:</u> Multiplying with Decimals to the hundredths place worksheet <u>Skills Practice:</u> Adding and Subtracting with Decimals word problems worksheet	<u>Fluency Practice:</u> Dividing with Decimals to the hundredths place worksheet <u>Skills Practice:</u> Multiplying with Decimals to the hundredths place worksheet
Reading (20 min)	Everyday students will read their independent reading book for 20 minutes and write a written response to one question.		
PowerUp (15-20 min)	Everyday student is to complete a PowerUp Text Connections 2		
Writing (15-20 min)	Students will independently write on a topic of their choice. Editing & Revising Workbook page 1: Monday 4 Sticky Business	Students will independently write on a topic of their choice. Editing & Revising Workbook page 1: Tuesday 4 Sticky Business	Students will independently write on a topic of their choice. Editing & Revising Workbook page 2: Wednesday 4 Sticky Business
Social Studies (10-15 min)	Use Global Studies Weekly Newspaper (Week 1, Volume 15, Issue 1: A Geoscheme for All of Us) to read “Centuries of Exploration on Our Amazing Earth” and “The Next Frontier: Mars?” OR Use Global Studies Weekly Newspaper (Week 3, Volume 15, Issue 1: Say “Jamba” to Eastern Africa) to read “Going on Safari” and “‘Nothing But Nets’ Covers Africa With Hope”	Use Global Studies Weekly Newspaper (Week 1, Volume 15, Issue 1: A Geoscheme for All of Us) to read “A Geoscheme for All of Us”, “Europe”, “Location-Absolute and Relative”, and “What Time Is It?” OR Use Global Studies Weekly Newspaper (Week 3, Volume 15, Issue 1: Say “Jamba” to Eastern Africa) to read “Say ‘Jamba’ (Hello) to Eastern Africa!”, “Do You Speak Swahili?”, and “Bartering”	Use Global Studies Weekly Newspaper (Week 1, Volume 15, Issue 1: A Geoscheme for All of Us) to complete crossword puzzle and “Mapping the Five Regions” OR Use Global Studies Weekly Newspaper (Week 3, Volume 15, Issue 1: Say “Jamba” to Eastern Africa) to read “Wangari Muta Maathai”, “Who are the Maasai?”, and “Mount Kilimanjaro”

Grade 6	Day 4	Day 5	Day 6
Math (15-20 min)	Fluency Practice: Dividing Decimals to the hundredths place word problems worksheet Skills Practice: Adding and Subtracting Fractions with unlike denominators worksheet	Fluency Practice: All operations with Decimals to the ten thousandths place worksheet Skills Practice: Multiplying with Fractions and simplifying worksheet	Fluency Practice: Multiplying with Decimals to the hundredths place worksheet Skills Practice: Rates/Ratios word problems worksheet
Reading (20 min)	Everyday students will read their independent reading book for 20 minutes and write a written response to one question.		
Lexia (15-20 min)	Everyday student is to complete a PowerUp Text Connections 2		
Writing (15-20 min)	Students will independently write on a topic of their choice. Editing & Revising Workbook page 2: Thursday A Sticky Business	Students will independently write on a topic of their choice. Editing & Revising Workbook page 3: Friday A Sticky Business	Students will independently write on a topic of their choice. Editing & Revising Workbook page 4: Monday Scurvy
Social Studies (10-15 min)	Use Global Studies Weekly Newspaper (Week 1, Volume 15, Issue 1: A Geoscheme for All of Us) to complete "Time Zone Math" OR Use Global Studies Weekly Newspaper (Week 3, Volume 15, Issue 1: Say "Jamba" to Eastern Africa) to complete crossword puzzle	Use Global Studies Weekly Newspaper (Week 1, Volume 15, Issue 1: A Geoscheme for All of Us) to complete "Let's Write" OR Use Global Studies Weekly Newspaper (Week 3, Volume 15, Issue 1: Say "Jamba" to Eastern Africa) to complete "Map Activity"	Use Global Studies Weekly Newspaper (Week 2, Volume 15, Issue 1: People in the World Around Us) to read "Who We Are-By the Numbers" and "Philanthropy and Values" OR Use Global Studies Weekly Newspaper (Week 4, Volume 15, Issue 1: Middle Africa: The Heart of the Continent") to read "Solving the Bushmeat Crisis" and "Kids Help Starving Children in Africa"

Grade 6	Day 7	Day 8	Day 9	Day 10
Math (15-20 min)	Fluency Practice: Converting Decimals to the ten thousandths place to Fractions worksheet Skills Practice: Dividing Fractions worksheet	Fluency Practice: Multiplying and Dividing with Decimals word problems worksheet Skills Practice: Calculate the Percent of a Number worksheet	Fluency Practice: All Operations with Decimals to the hundred-thousandths place worksheet Skills Practice: Multiplying Mixed Numbers with unlike denominators worksheet	Fluency Practice: Converting Decimals to the ten thousandths place to Percents worksheet Skills Practice: Calculate Percent of a Number word problems worksheet
Reading (20 min)	Everyday students will read their independent reading book for 20 minutes and write a written response to one question.			
Lexia (15-20 min)	Everyday student is to complete a PowerUp Text Connections 2			
Writing (15-20 min)	Students will independently write on a topic of their choice. Editing & Revising Workbook page 4: Tuesday Scurry	Students will independently write on a topic of their choice. Editing & Revising Workbook page 5: Wednesday Scurry	Students will independently write on a topic of their choice. Editing & Revising Workbook page 5: Thursday Scurry	Students will independently write on a topic of their choice. Editing & Revising Workbook page 6: Friday Scurry
Social Studies (10-15 min)	Use Global Studies Weekly Newspaper (Week 2, Volume 15, Issue 1: People in the World Around Us) to read "People in the World Around Us", "Vandana Shiva, Champion for Sustainability", and "What's That On Your Plate?" OR Use Global Studies Weekly Newspaper (Week 4, Volume 15, Issue 1: Middle Africa: The Heart of the Continent") to read "Middle Africa: The Heart of the Continent"	Use Global Studies Weekly Newspaper (Week 2, Volume 15, Issue 1: People in the World Around Us) to complete crossword puzzle OR Use Global Studies Weekly Newspaper (Week 4, Volume 15, Issue 1: Middle Africa: The Heart of the Continent") to read "African Folklore: The Hare and the Tug-of-War", "Who are the Pygmies?", and "The Congo River"	Use Global Studies Weekly Newspaper (Week 2, Volume 15, Issue 1: People in the World Around Us) to complete "American Civics" OR Use Global Studies Weekly Newspaper (Week 4, Volume 15, Issue 1: Middle Africa: The Heart of the Continent") to complete crossword puzzle and "Let's Write"	Use Global Studies Weekly Newspaper (Week 2, Volume 15, Issue 1: People in the World Around Us) to complete "Let's Write" OR Use Global Studies Weekly Newspaper (Week 4, Volume 15, Issue 1: Middle Africa: The Heart of the Continent") to complete "Central Africa"

UNIFIED ARTS		Day 1	Day 2	Day 3	Day 4
PE	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups. 10 walking lunges 10 jumping squats 10 jumping jacks Rest repeat 3x	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups.	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups.	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups.	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups. Jump, Jump Jump side-to-side over an object or line for 1 minute straight. Go again but jump front to back. Rest and Repeat 2x
Art	Complete the Week 1 activity on the Color Theory worksheets				
Music	Visit https://musclelab.chromecorp.net/melits.com/Song-Maker and make your own song by creating pictures and patterns using a colorful grid. When you finish a song you like, have an adult help you save it, copy the link, and send it to Mr. Hudson on ClassDojo!	Visit www.incredibox.com and create your own beatboxing music using this website. Make sure you use the web version (the app isn't free!)	Using the "Hip Hop Hamburger" worksheet, create a song subject, title and chorus	Using the "Hip Hop Hamburger" worksheet, create a 4-line verse	
Technology	- Go to https://www.pretdergast.com - Click on Schools-> Pretdergast - Click on "Mrs. Ekstrand's Tech Corner" on left or the computer image on the right.	- Sign into Google Classroom - Click on March typing and complete 5 minutes today	- Play one Letter game on ABCya	- Play one Number game on ABCya	- Play one math game on Coolmath for 10 minutes
SLP					
Social Worker/Guidance					

UNIFIED ARTS	Day 5	Day 6	Day 7	Day 8
PE	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups.	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups.	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups.	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups. Complete 25 of the following: High Skip Squat Jumps High Knees Walk backwards
Art	Complete the Week 2 activity on the Color Theory worksheets			
Music	Using the "Hip Hop Hamburger" worksheet, create a 4-line verse			Type up your lyrics into a Google Doc and share with me via jhudson@ansonlapps.org
Technology	<ul style="list-style-type: none"> - Sign into Google Classroom - Click on March typing and complete 5 minutes today 	<ul style="list-style-type: none"> - Play one Skill or Strategy game on ABCya 	<ul style="list-style-type: none"> - Go to Google Maps and discover a new location - Share with me in a Google Doc or on Dojo! 	<ul style="list-style-type: none"> - Go to the San Diego Zoo site and learn about one animal - Share with me in a Google Doc or on Dojo!
SLP				
Social Worker/Guidance				

	Day 9	Day 10
PE	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups.	Complete daily PE stretching routine and strength. Hold each stretch for 20 seconds. Strength 20 curl-ups and 10 push-ups. Vertical Jump Jump as high as you can for 30 seconds. Rest and Repeat 2x
Art	Complete the Week 2 activity on the Color Theory worksheets	
Music	Visit www.mixedbox.com and create your own beatboxing music using this website to go with your song. Make sure you use the web version (the app isn't free!)	Interview an adult about music! Ask them some questions about music when they were growing up. Take notes and be ready to share with our class. Here are some sample questions to ask: a. Did you have a favorite song as a kid? b. Did you have a favorite singer/band growing up? Who was it? What was your favorite song? c. How did you listen to music when you were a kid? d. Did you have music in school? Do you remember what kind of songs you sang? Did you play games? Did you dance or play instruments? Did you like music class? Why or why not?
Technology	<ul style="list-style-type: none"> - Sign into Google Classroom - Click on March typing and complete 5 minutes today 	<ul style="list-style-type: none"> - Play one math game on Coolmath for 10 minutes
SLP		
Social Worker/Guidance		

Name: _____

Class: _____

Reading Questions

Directions: Each day, read for 20 (or more) minutes independently. Next, choose one question from the list below and answer it using the space on the next pages. **Be sure to answer each question in complete sentences, and explain your thinking.**

Fiction Questions	Nonfiction Questions
<ol style="list-style-type: none"> 1. Pick a character. What words in this text tells what the character feels. 2. Pick a character and an event. What does this character think of this event? How would you react in this same situation? 3. How would you retell the story including important parts from the beginning, middle, and end? 4. Pick a word that you don't know. What do you think this word means, and what in the text hints at its meaning? 5. What is the theme of this story? What helped you decide this theme? 6. Why did the author write this? What evidence supports this idea? 7. How does the setting impact the story? 8. What is the tone of this story, and how do you know? 9. What point of view is the story written from? How do you know? 10. Which genre is most interesting to you and why? (Mystery, historical fiction, science fiction, etc.) 	<ol style="list-style-type: none"> 1. Name the main idea of the text and three supporting details. 2. What can you tell about the text from analyzing its text features? 3. What was the author's purpose for writing this text? 4. What words from the text can reveal the author's purpose? 5. What is an important detail from the text? 6. What can you learn from the maps, charts, illustrations, graphs, timelines, tables or diagrams included in the text? 7. What connections can you make between this text and other texts you have read? 8. Write a summary about the text in order. 9. What could be another appropriate title for this text and why? 10. What sources does the author use to support his/her argument?

Name: _____

Class: _____

Directions: Choose one writing topic each day - from the list below or from your imagination. On a piece of lined paper, write the date and the topic you choose.

"I don't know what to write about!"

1. What is your greatest talent? How did you discover it?
2. Write a poem about your neighborhood / community.
3. You want to spend time with a new student at school, but one of your old friends is jealous. Write a letter to convince your friend the importance of including the new student.
4. Would you rather swim with sharks or go skydiving? Why?
5. What value is most important to your family? How do you see it in your everyday life?
6. Describe a memory you wish you could experience again.
7. If you had to give up one of your five senses, which would you give up and why?
8. Imagine yourself in 20 years. Where do you want to be? What will you have accomplished?
9. Which sport is the best? What makes it better than all other sports?
10. Describe your favorite place in the world. It could be a room, place, town, country or somewhere else!
11. What is the very best way to spend an unexpected day off from school? Why is it the best?
12. Has the use of emojis stunted our ability to express emotions in writing, or does it help us identify our emotions more precisely? Why do you think so?

Online Resources :

Clever Portal -


Access using the link on Prendergast's website OR go directly to clever.com/in/ansoniamiddle

Username: 6-Digit Student ID

Password : ansonia

* Lexia, IXL, Reflex Math, Khan Academy, Mystery Science, myON, Studies Weekly, can all be accessed through Clever

Google Classroom -

Access by signing in to Google accounts, choosing the icon  at the top right,

then Google Classroom 

OR direct link : classroom.google.com

Operations with FRACTIONS

Addition $\boxed{+}$

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

If the denominators are different, first find a common denominator.

$$\left[\frac{1 \times 2}{4 \times 2} \right] + \frac{3}{8} = \frac{5}{8}$$

$$\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$$

Then add or subtract
The denominators stay the same.

$\boxed{-}$ Subtraction

$$\frac{5}{6} - \frac{3}{4} =$$
$$\left[\frac{5 \times 2}{6 \times 2} \right] - \left[\frac{3 \times 3}{4 \times 3} \right] = \frac{10}{12} - \frac{9}{12}$$

$$\frac{10}{12} - \frac{9}{12} = \frac{1}{12}$$

Multiplication $\boxed{\times}$

Multiply the numerators

$$\frac{3}{4} \times \frac{4}{5} = \frac{12}{20} = \frac{3}{5}$$

Multiply the denominators

Remember
to REDUCE



First, invert the divisor

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

Multiply the numerators

$$\frac{4}{5} \times \frac{6}{5} = \frac{24}{25}$$

Multiply the denominators

Mixed Number → Improper Fraction

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

$$3 \times 2 = 6$$
$$6 + 1 = \textcircled{7}$$

- Multiply denominator x whole number
- Add the numerator
- Answer
original denominator

Improper Fraction → Mixed Number

$$\frac{10}{4} = 2\frac{1}{2}$$

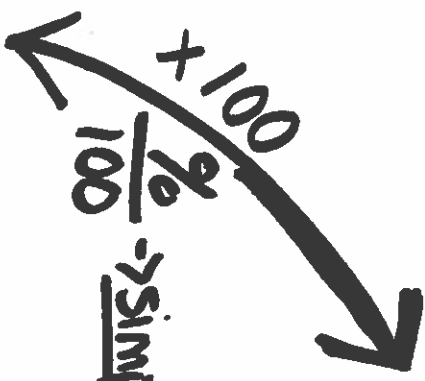
$$4 \overline{) 10} \begin{array}{r} 2 \text{ r } 2 \\ - 8 \\ \hline 2 \end{array} \rightarrow 2\frac{2}{4} = 2\frac{1}{2}$$

- Divide fraction
- Whole # from answer
- Remainder → numerator
- Divisor → denominator
- Simplify

Fraction → Percent → Decimal

$$\frac{75}{100} \div \frac{25}{25} = \frac{3}{4}$$

$$\frac{3}{4} \times 100 = \frac{300}{4} = 75\%$$



Percent

$$75\%$$

Fraction

$$\frac{3}{4}$$

Divide

$$4 \overline{) 3.00} \begin{array}{r} 0.75 \\ \underline{28} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

Decimal

$$0.75$$

$$75\% = 0.75$$

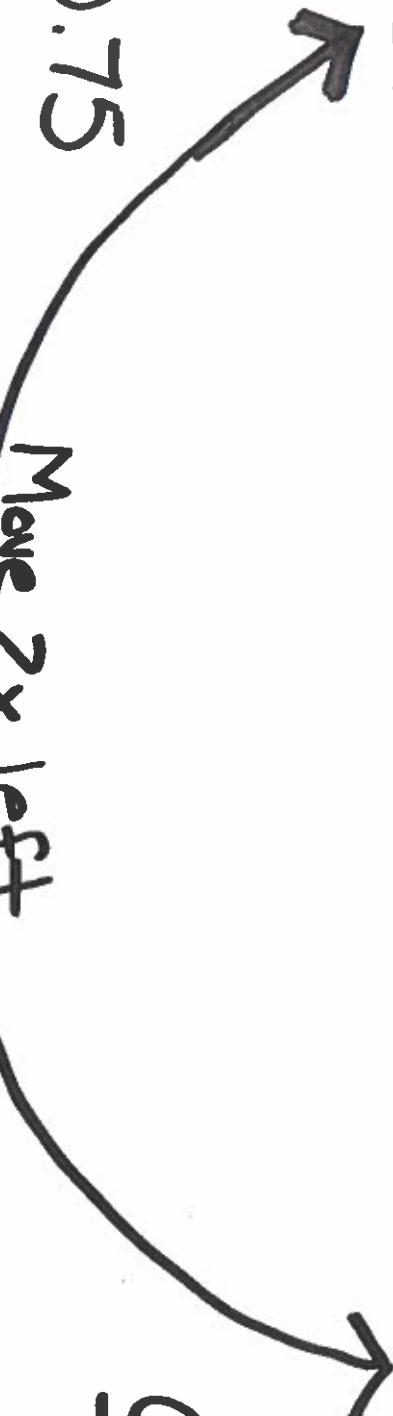
$$0.75 = 75\%$$

Move 2x left

Move decimal

$$\frac{0.75}{100} \div \frac{25}{25}$$

$$\frac{3}{4}$$



Decimal Operations

Add/Subtract

- Line 'em up
- Fill 'em up
- Solve 'em

$$\begin{array}{r} 42.790 \\ + 3.019 \\ \hline 45.809 \end{array}$$

$$3 \overline{) 1.23} \rightarrow 3 \overline{) 12.3}$$

$$\begin{array}{r} 4.1 \\ 3 \overline{) 12.3} \\ \underline{12} \\ 03 \\ \underline{03} \\ 0 \end{array}$$

$$1.23 \div 0.3 =$$

$$12.3 \div 3 =$$

$$4.1$$

Multiplying

- Ignore the decimal
- Multiply
- Count digits after the decimal in problem
- Count same amount of total digits in answer

$$\begin{array}{r} 1.246^3 \\ \times 0.22^2 \\ \hline 2492 \\ + 24920 \\ \hline 27412^5 \end{array}$$

Dividing

- Moved decimal in divisor to make a whole #
- Move decimal same amount of digits in dividend
- Divide as usual

Adding and Subtracting DecimalsFind $1.7 + 2.45$.Find $36.57 - 4.6$.*Line up the decimal points.*

$$\begin{array}{r}
 \uparrow \quad \quad \uparrow \\
 1.7 \quad 1.70 \rightarrow \text{Write zeros to} \\
 + 2.45 \quad + 2.45 \quad \text{show place value.} \\
 \hline
 4.15 \\
 \downarrow \text{Place decimal point} \\
 \text{in answer.}
 \end{array}$$

Line up the decimal points.

$$\begin{array}{r}
 \uparrow \quad \quad \uparrow \quad \uparrow \quad \uparrow \\
 36.57 \quad 36.57 \quad \text{Write zeros to} \\
 - 4.6 \quad - 4.60 \quad \text{show place value.} \\
 \hline
 31.97 \\
 \downarrow \text{Place decimal point} \\
 \text{in answer.}
 \end{array}$$

Find each sum or difference.

$$\begin{array}{r}
 \uparrow \\
 1. \quad 2.65 \\
 + 13.30 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \uparrow \\
 2. \quad 14.10 \\
 - 3.05 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 3. \quad 744 \\
 + 36.2 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 4. \quad 9 \\
 - 0.6 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 5. \quad 8.97 \\
 + 6.6 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 6. \quad 100 \\
 - 0.22 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 7. \quad 6.8 \\
 + 237.29 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 8. \quad 0.5 \\
 - 0.23 \\
 \hline
 \end{array}$$

9. $15.4 - 8 =$ _____

10. $3 - 2.54 =$ _____

11. $1.34 + 4.1 =$ _____

12. $133.01 - 5.6 =$ _____

13. $448 + 1.75 + 80.3 =$ _____

14. $12.3 + 0.61 + 100 =$ _____

15. On the 3-days of their vacation, the Davis family traveled 417 mi, 45.3 mi, and 366.9 mi. How far did they travel all together?
- _____

16. Etta bought a calculator for \$15. Glenn found the same model for \$9.79. How much more did Etta pay than Glenn did?
- _____



Solve each problem.

Answers

20.65

15.8

23.121

85.5

89.51

12.817

121.7

100.83

4.99

121.8

1) $78.9 - 55.779 =$ _____

2) $73 + 48.7 =$ _____

3) $41.3 - 20.65 =$ _____

4) $46 + 39.5 =$ _____

5) $72 - 67.01 =$ _____

6) $65 + 56.8 =$ _____

7) $58 - 45.183 =$ _____

8) $79.3 + 10.21 =$ _____

9) $17 - 1.2 =$ _____

10) $92 + 8.83 =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Name _____

Review

4

Multiplying with Decimals

Find 4.3×2.7 .

Multiply as you would with whole numbers.

$$\begin{array}{r} 2 \\ 4.3 \\ \times 2.7 \\ \hline 301 \\ 860 \\ \hline 1161 \end{array}$$

Count the number of decimal places in both factors.
The total is the number of decimal places in the product.

$$\begin{array}{rcl} 4.3 & \leftarrow & 1 \text{ decimal place} \\ \times 2.7 & \leftarrow & + 1 \text{ decimal place} \\ \hline 11.61 & \leftarrow & 2 \text{ decimal places} \end{array}$$

Find each product.

$$\begin{array}{r} 1. \\ \times 8.8 \\ \hline 112 \\ 1120 \\ \hline \end{array}$$

$$\begin{array}{r} 1.6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.4 \\ \times 3.2 \\ \hline \end{array}$$

$$\begin{array}{r} 0.05 \\ \times 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 2.15 \\ \times 8.3 \\ \hline \end{array}$$

$$\begin{array}{r} 3.3 \\ \times 0.12 \\ \hline \end{array}$$

$$\begin{array}{r} 0.51 \\ \times 4.2 \\ \hline \end{array}$$

$$\begin{array}{r} 1.35 \\ \times 13 \\ \hline \end{array}$$

$$9. 23 \times 0.47 = \underline{\hspace{2cm}}$$

$$10. 0.9 \times 5 = \underline{\hspace{2cm}}$$

$$11. 168 \times 2.25 = \underline{\hspace{2cm}}$$

$$12. 0.8 \times 0.11 = \underline{\hspace{2cm}}$$

$$13. 20 \times 20.2 = \underline{\hspace{2cm}}$$

$$14. 4.9 \times 0.3 = \underline{\hspace{2cm}}$$

15. A roll of paper towels contained 250 sheets.

Each sheet was 8.75 inches long. How long was the roll?

16. Tania bought 3 new sweaters. Each sold for \$19.99.

How much did she spend?

Name : _____

Day 2

Decimals

Add/Sub: S1

- 1) The state of Michigan recorded an all-time high snowfall of 355.9 inches during the winter of 1978-79. Its lowest snowfall of 81.3 inches was recorded during the winter of 1930-31. How much more snowfall did Michigan receive during the winter of 1978-79 than in 1930-31?

- 2) Eric, a fitness enthusiast, visits a store and buys a Fitness Tracker for \$84.99 and a Heart Rate Bracelet Monitor for \$44.99. How much does Eric spend in all on his purchase?

- 3) A one-year subscription of a science magazine costs \$37.00. If you were to buy 12 issues of the same magazine from a newsstand for a year, you would end up spending \$72.88. How much will you save by opting for a subscription?

- 4) Sally used 8.74 inches of a ribbon to make a bow for her hairband and another 12.32 inches to make a bow for her hat. Determine the total length of ribbon used to make the bows.

- 5) The Cooper family owns a luxury sedan and a compact car. The fuel tank capacity of the luxury sedan is 22.45 gallons and that of the compact car is 8.7 gallons. Find the difference in the fuel tank capacities of the two cars.

Name _____

Review

6

Dividing with Decimals

Find $36.8 \div 16$.

$\begin{array}{r} \uparrow \\ 2. \\ 16 \overline{)36.8} \end{array}$ <p>Place the decimal point.</p> <p>→ Think: $20 \overline{)40}$</p> <p>Try 2 in the quotient.</p>	$\begin{array}{r} 2.3 \\ 16 \overline{)36.8} \\ \underline{-32} \\ 48 \\ \underline{-48} \\ 0 \end{array}$ <p>Multiply 2×16. Subtract. Bring down 8. Multiply 3×16. Subtract.</p>
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Find each quotient.

$$\begin{array}{r} 2. \\ 16 \overline{)13.8} \\ \underline{-16} \\ 18 \\ \underline{-16} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

2. $6 \overline{)131.4}$

3. $9 \overline{)141.3}$

4. $5 \overline{)388.5}$

5. $7 \overline{)669.2}$

6. $28 \overline{)263.2}$

7. $41 \overline{)274.7}$

8. $7 \overline{)34.23}$

9. $269.12 \div 8 =$ _____

10. $311.56 \div 4 =$ _____

11. $2,229.62 \div 46 =$ _____

12. $1,449.09 \div 81 =$ _____

13. A photographer bought 36 rolls of film for \$136.44.
What was the price of one roll?

14. Four students each ran 100 m in a 400-m relay race.
The team's total time was 49.44 sec. Find the average
time of each runner.

Solve each problem.

447.30

126.820

154.825

131.3312

441.2256

70.364

142.128

205.920

443.886

$$\begin{array}{r} 1) \quad 63.9 \\ \times \quad 7.0 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 44.84 \\ \times \quad 9.84 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 88.6 \\ \times \quad 5.01 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 39.6 \\ \times \quad 5.20 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 28.15 \\ \times \quad 5.5 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 14.36 \\ \times \quad 4.9 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 63.14 \\ \times \quad 2.08 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 18.65 \\ \times \quad 6.8 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 16.92 \\ \times \quad 8.4 \\ \hline \end{array}$$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

Decimals

Div: S1

Solve each problem. Round the answer to two decimal places.

- 1) One pound equals 0.45 kilogram. Cathy weighs 81.36 kilograms on the bathroom scales. Determine her weight in pounds.

- 2) Mr. Williams buys 12 gallons of ivory paint to do up the exteriors of his home. How much does one gallon of paint cost, if he is billed a total of \$305.46 for his purchase?

- 3) At a farmers' market, Kenny picks 5 cantaloupes that weigh a total of 27.52 pounds. Find the average weight of one cantaloupe.

- 4) Martin, a carpenter wants to make a spice rack for the kitchen. He cuts a 16.24 feet long plank into 5 pieces of equal length. What is the length of each piece of wood?

- 5) Nina goes to the neighbourhood store to buy 14 rolls of paper towels. If she pays \$20.02 in all for her purchase, how much does one roll of paper towel cost?

Name _____

Review 10

Adding and Subtracting Fractions

Find $\frac{2}{3} + \frac{1}{6}$.

Find $\frac{1}{4} - \frac{1}{5}$.

3	6	9	12	15
6	12	18	24	30

Multiples of 3

Multiples of 6

The least common denominator is 6.

Write equivalent fractions. $\frac{2}{3} = \frac{4}{6}$

Add.
$$\begin{array}{r} \frac{2}{3} = \frac{4}{6} \\ + \frac{1}{6} = \frac{1}{6} \\ \hline \frac{5}{6} \end{array}$$

4	8	12	16	20
5	10	15	20	25

Multiples of 4

Multiples of 5

The least common denominator is 20.

Write equivalent fractions. $\frac{1}{4} = \frac{5}{20}$

Subtract.
$$\begin{array}{r} \frac{1}{4} = \frac{5}{20} \\ - \frac{1}{5} = \frac{4}{20} \\ \hline \frac{1}{20} \end{array}$$

Find each sum or difference.

1. $\frac{1}{4} + \frac{2}{3} =$ _____

4			
3			

2. $\frac{11}{12} - \frac{5}{6} =$ _____

12			
6			

3. $\frac{1}{3} + \frac{4}{9} =$ _____

4. $\frac{3}{7} + \frac{2}{7} =$ _____ 5. $\frac{11}{12} - \frac{5}{12} =$ _____ 6. $\frac{1}{2} + \frac{1}{3} =$ _____ 7. $\frac{1}{3} - \frac{1}{5} =$ _____

8. $\frac{3}{8} - \frac{1}{6} =$ _____ 9. $\frac{3}{5} + \frac{3}{10} =$ _____ 10. $\frac{1}{2} + \frac{2}{5} =$ _____ 11. $\frac{2}{3} - \frac{1}{4} =$ _____

12. Meg practiced the piano for $\frac{5}{12}$ hr. She did homework for $\frac{3}{4}$ hr. How much longer did she do homework than she practiced the piano?
- _____

Solve each problem.

Answers

34.034567

11.9988

33.422

0.37

38.07

0.072

51.02

0.384

106.59

65.38

106.1

19.501

1) $77.2 - 43.778 =$ _____

2) $2.072 \div 5.6 =$ _____

3) $6.811 \times 4.997 =$ _____

4) $27.001 - 7.5 =$ _____

5) $4.23 \times 9 =$ _____

6) $19.2 + 31.82 =$ _____

7) $97.68 - 32.3 =$ _____

8) $0.468 \div 6.5 =$ _____

9) $0.6144 \div 1.6 =$ _____

10) $4.4 \times 2.727 =$ _____

11) $20.97 + 85.62 =$ _____

12) $48 + 58.1 =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

Name _____

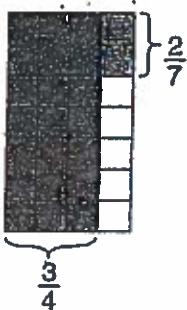
Multiplying Fractions

R 5-2

Find $\frac{3}{4} \times \frac{2}{7}$.

One Way

Draw a picture. Simplify if possible.



6 of the 28 squares have overlapping shading.

So, $\frac{3}{4} \times \frac{2}{7} = \frac{6}{28}$.

Simplify $\frac{6}{28}$ to $\frac{3}{14}$.

Another Way

Multiply the numerators and denominators. Simplify if possible.

$$\begin{aligned} & \frac{3}{4} \times \frac{2}{7} \\ &= \frac{3 \times 2}{4 \times 7} = \frac{6}{28} \\ &= \frac{3}{14} \end{aligned}$$

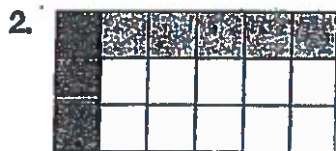
Simplify First

Find the GCF of any numerator and any denominator.

The GCF of 2 and 4 is 2. Divide 2 and 4 by the GCF.

$$\frac{3}{\cancel{4}_2} \times \frac{\cancel{2}^1}{7} = \frac{3}{14}$$

Write an equation for each picture.



Find each product. Simplify if possible.

3. $\frac{6}{8} \times \frac{1}{3} =$ _____

4. $\frac{5}{6} \times \frac{7}{10} =$ _____

5. $\frac{4}{5} \times \frac{3}{8} =$ _____

6. $\frac{1}{2} \times \frac{4}{9} =$ _____

7. **Number Sense** Can you simplify before multiplying $14 \times \frac{25}{27}$? Explain.



Solve each problem.

529.10

367.848

98.472

357.024

776.70

203.028

45.3321

112.926

27.944

$$\begin{array}{r} 1) \quad 74.38 \\ \times \quad 4.8 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 18.81 \\ \times \quad 2.41 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 17.7 \\ \times \quad 6.38 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 86.3 \\ \times \quad 9.0 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 9.98 \\ \times \quad 2.8 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 11.19 \\ \times \quad 8.8 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 96.68 \\ \times \quad 2.1 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 96.2 \\ \times \quad 5.5 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 46.8 \\ \times \quad 7.86 \\ \hline \end{array}$$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

Name _____

Day 6

WORD PROBLEMS--RATES #1

Directions: Find the rate in each problem below. There are several ways to solve *rate problems*. The simplest strategy is to simply divide the data. The key is to divide the data in the correct order. If the question asks you to find the *miles/hour*, then you should find the quotient of the miles divided by the hours, *not* the hours divided by the miles.

- 1) Maureen ate 18.5 cookies in 5 minutes. How many cookies did she eat per minute? 1) _____
- 2) Marie ran 842.4 meters in 12 minutes. How many meters/minute did she run? 2) _____
- 3) John paid \$9.75 for 3 pounds of apples. How much did he pay per pound? 3) _____
- 4) Anna flew 985.6 miles in 112 minutes. How many miles per minute did she fly? 4) _____
- 5) In 3 days, the temperature dropped 7.5 degrees. How many degrees per day did the temperature drop? 5) _____
- 6) Ava read 97.5 books in 13 months. How many books per month did she read? 6) _____
- 7) Connor filled his 99.2 gallon pool with water in 8 hours. How many gallons per hour did he use? 7) _____
- 8) Addison drove 287.92 miles in 8 hours. What was her speed in miles per hour? 8) _____
- 9) Jackson graded 37.5 tests in 6 hours. How many tests per hour did he grade? 9) _____
- 10) Hailey's plane climbed 844.8 feet in 64 seconds. How fast did her plane climb every second? 10) _____
- 11) It took Jacob 21 hours to drive 467.25 laps. How many laps per hour did he run? 11) _____
- 12) Sophia earned \$24.75 in 3 hours. How many dollars did she earn per hour? 12) _____
- 13) Aiden bought 12.5 ounces of pop for \$2. What was the price per ounce? 13) _____

2041
Name _____

WRITING DECIMALS AS FRACTIONS #1

Directions: Write the following decimals as a fraction or a mixed number. Reduce each fraction to its lowest terms.

Examples: $0.007 = \frac{7}{1000}$

$$0.74 = \frac{74}{100} = \frac{37}{50}$$

$$7.7 = 7\frac{7}{10}$$

1) $0.009 =$ _____

2) $0.21 =$ _____

3) $6.1 =$ _____

4) $0.8 =$ _____

5) $0.123 =$ _____

6) $0.0027 =$ _____

7) $12.07 =$ _____

8) $0.36 =$ _____

9) $.111 =$ _____

10) $0.4 =$ _____

11) $7.18 =$ _____

12) $4.541 =$ _____

13) $0.122 =$ _____

14) $0.44 =$ _____

15) $0.0101 =$ _____

Name _____

Day 1

FRACTION DIVISION #2

Directions: Find the quotient of the following fractions. Write your answer in the space provided. If necessary, simplify your answer and write it in lowest terms.

Examples: $\frac{3}{10} \div \frac{1}{2} = \frac{3}{10} \times \frac{2}{1} = \frac{6}{10} = \frac{3}{5}$

$\frac{1}{7} \div \frac{3}{5} = \frac{1}{7} \times \frac{5}{3} = \frac{5}{21}$

1) $\frac{1}{8} \div \frac{3}{7} =$ _____

2) $\frac{3}{10} \div \frac{1}{3} =$ _____

3) $\frac{6}{10} \div \frac{2}{3} =$ _____

4) $\frac{2}{9} \div \frac{3}{7} =$ _____

5) $\frac{4}{8} \div \frac{3}{4} =$ _____

6) $\frac{1}{8} \div \frac{1}{3} =$ _____

7) $\frac{10}{15} \div \frac{4}{5} =$ _____

8) $\frac{2}{6} \div \frac{3}{5} =$ _____

9) $\frac{7}{8} \div \frac{8}{9} =$ _____

10) $\frac{1}{5} \div \frac{1}{4} =$ _____

11) $\frac{2}{10} \div \frac{3}{4} =$ _____

12) $\frac{11}{20} \div \frac{1}{1} =$ _____

13) $\frac{10}{20} \div \frac{3}{5} =$ _____

14) $\frac{5}{8} \div \frac{9}{10} =$ _____

15) $\frac{3}{8} \div \frac{3}{7} =$ _____

16) $\frac{0}{8} \div \frac{8}{10} =$ _____

17) $\frac{5}{12} \div \frac{3}{7} =$ _____

18) $\frac{3}{9} \div \frac{6}{9} =$ _____

19) $\frac{2}{8} \div \frac{1}{4} =$ _____

20) $\frac{2}{8} \div \frac{1}{3} =$ _____

Name : _____

Day 8

Decimals

Mul/div: S1

Solve the problems. Round the answer to two decimal places.

- 1) Chuck is on a weeklong vacation and wants to hire a car for a few days of sightseeing. A car rental agency offers him a compact car for \$49.79 a day. If Chuck rents out the car for 3 days, how much does he need to pay the agency in total?

- 2) Nathan takes 42 minutes to tread a distance of 4.5 miles on a treadmill. Determine the average distance covered in one minute.

- 3) On Friday, Nicole picked up 5 pounds of ground beef from the local store to make beefburgers. If one pound of ground beef was priced at \$5.67, how much was Nicole billed for altogether?

- 4) Kimberly makes 127.81 fluid ounces of honey-basil lemonade for her nieces and nephews. She pours it out equally into 15 glasses without spillage. How much honey-basil lemonade does each glass hold?

- 5) Ryan and two of his friends contribute \$8.33 each, to buy a baseball bat from a sports shop. Find the price of the baseball bat.

Name : _____

Percent

Sheet 1

Find the percent of each number.

1) 68% of 700 = _____

2) 85% of 520 = _____

3) 40% of 85 = _____

4) 32% of 325 = _____

5) 2% of 250 = _____

6) 50% of 104 = _____

7) 75% of 396 = _____

8) 90% of 80 = _____

9) 25% of 64 = _____

10) 63% of 400 = _____

11) 56% of 475 = _____

12) 15% of 20 = _____

13) 48% of 50 = _____

14) 8% of 725 = _____

Name _____ Period _____ Date Day 9

Operations with Decimals Review Worksheet

Find each sum or difference.

1. $36.12 + 5.793$

2. $8.9 + 2.14 + 7.1$

3. $3.6 + 5.27 + 8.93$

4. $42.75 - 26.36$

5. $53.86 - 16.47$

6. $56.89 - 48.91$

7. $5.002 - 4.3$

8. $15.26 + 13.29 + 38.96$

9. $46.21 + 53.942$

Find each product or quotient.

10. $0.91 \cdot 2.7$

11. $4.6(3.9)$

12. 17.3×15.23

13. $2.1 \overline{)12.6}$

14. $36.78 \div 2.4$

15. $\frac{58.5}{10.4}$

Name _____ Period _____ Date _____

16. $2.33(3.56)$

17. 12.15×19

18. 8.7×0.45

19. $0.78 \overline{)0.16614}$

20. $79.04 \div 9.5$

21. $0.85 \overline{)0.0527}$

22. Alicia paid \$1.32 for a bag of pinto beans. The beans cost \$.55 per lb. How much did the bag of pinto beans weigh?

23. Nina and 3 friends ate lunch at a cafe. They decided to split the bill evenly. The total bill was \$17.84. How much was each person's share?

24. Postage stamps cost \$0.37 each. How much does a book of 50 stamps cost?

Name _____

Day 9

Multiplying Mixed Numbers

R 5-4

How to find the product of two mixed numbers:

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

Step 1

Estimate by rounding.

$$\begin{array}{r} 3\frac{2}{3} \times 4\frac{1}{2} \\ \downarrow \quad \downarrow \\ 4 \times 5 = 20 \end{array}$$

Then write each mixed number as an improper fraction.

$$\begin{array}{r} 3\frac{2}{3} \times 4\frac{1}{2} \\ \downarrow \quad \downarrow \\ \frac{11}{3} \times \frac{9}{2} \end{array}$$

Step 2

Look for common factors and simplify.

$$\frac{11}{\cancel{3}} \times \frac{\cancel{9}^3}{2} = \frac{11}{1} \times \frac{3}{2}$$

Step 3

Multiply. Write the product as a mixed number.

$$\frac{11}{1} \times \frac{3}{2} = \frac{33}{2} = 16\frac{1}{2}$$

$16\frac{1}{2}$ is close to 20, so the answer is reasonable.

Find each product. Simplify if possible.

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

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

3. $6 \times 3\frac{1}{4} =$ _____

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

5. $4\frac{1}{2} \times 16 =$ _____

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

7. **Number Sense** Is $2 \times 17\frac{5}{8}$ greater than or less than 36? Explain.

(11)

Convert the decimal shown into a percent.

Answers

- 1) 0.0063 = _____
- 2) 0.059 = _____
- 3) 0.055 = _____
- 4) 0.065 = _____
- 5) 0.06 = _____
- 6) 0.046 = _____
- 7) 0.38 = _____
- 8) 0.036 = _____
- 9) 0.097 = _____
- 10) 0.018 = _____
- 11) 0.098 = _____
- 12) 0.027 = _____
- 13) 0.049 = _____
- 14) 0.0047 = _____
- 15) 0.011 = _____
- 16) 0.14 = _____
- 17) 0.091 = _____
- 18) 0.011 = _____
- 19) 0.05 = _____
- 20) 0.72 = _____

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

Name : _____

Percent

Customary Units: S1

Solve each problem.

1) 19% of 200 tbs = _____

2) 75% of 20 qt = _____

3) 96% of 25 gal = _____

4) 20% of 495 yd = _____

5) 80% of 505 lb = _____

6) 45% of 620 cups = _____

7) 15% of 40 tsp = _____

8) 32% of 50 oz = _____

9) 5% of 720 pt = _____

10) 54% of 950 ft = _____

- 11) A toy manufacturing company released a die-cast model of a popular car that measured 20 inches in length. They reduced the length of the model by 30% to produce a miniature version of the same car. How long does the miniature car measure?



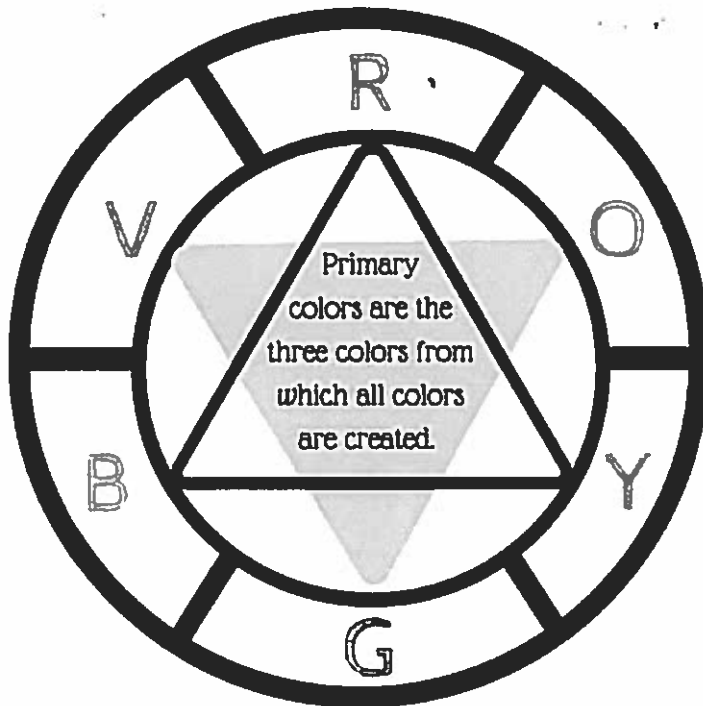
- 12) Tom weighs 190 pounds. He enrolls for a fitness program and reduces 10% of his body weight over a three-month period. How many pounds did Tom lose?



Name _____

Date: _____

Intro to Color Theory



R
O
Y
G
B
I
V

COOL

WARM

Complementary Colors

Complementary colors are opposites on the color wheel.

Analogous Colors

Analogous colors are next to each other on the color wheel

--	--	--

Value

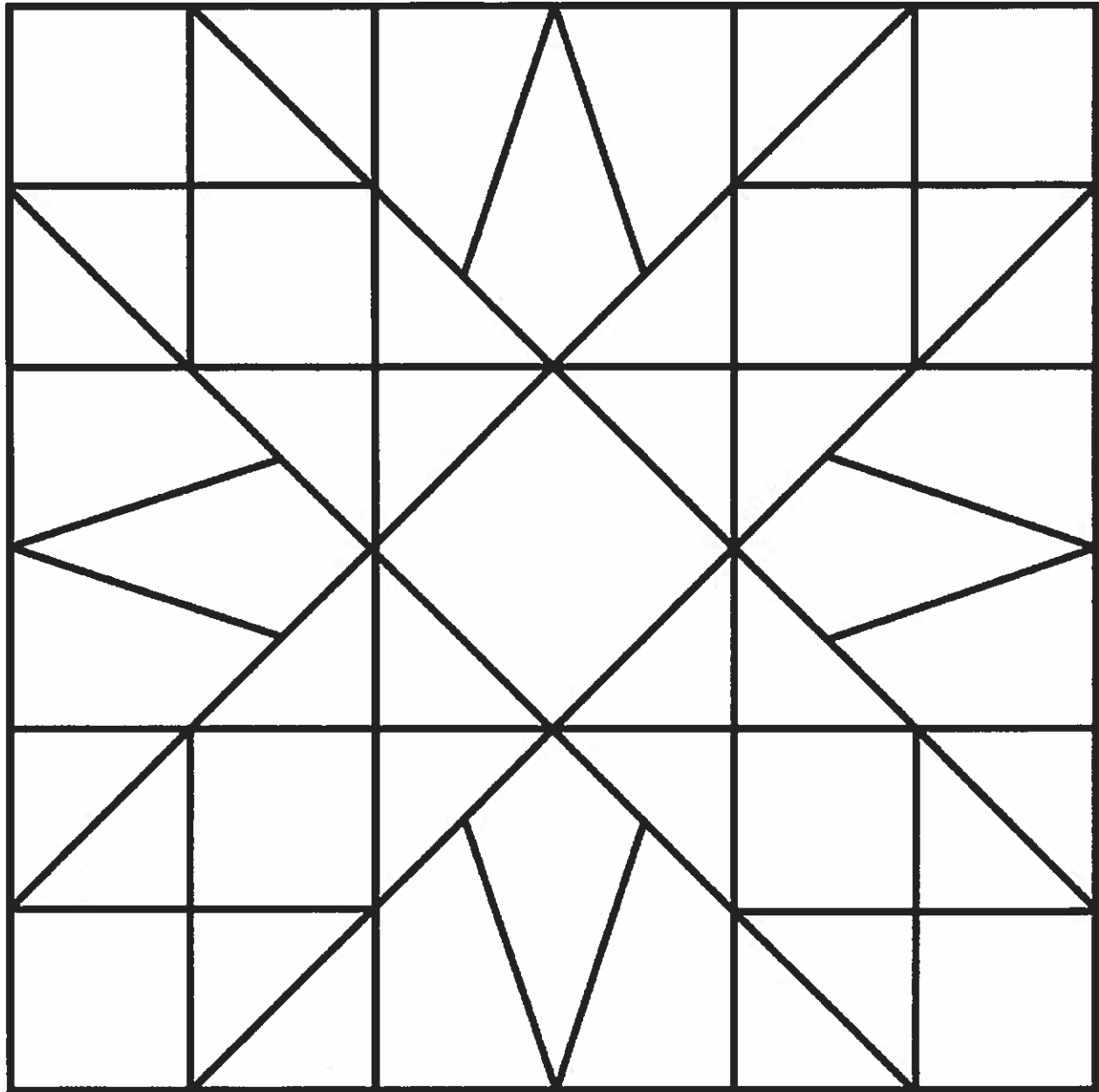
Value refers to the lightness or darkness of a color

--

kitchentableclassroom.com

Teach the element of color with this free printable! Then check out the other six elements!

KITCHENTABLECLASSROOM.COM



Week 1- Refresh your knowledge of Color Theory by completing the Color Theory Worksheet

Week 2- Choose a combination of colors and values from the Color Theory Worksheet to color in the above Quilt pattern. Remember that the quilt pattern already has BALANCE and your color choices and application should reflect a sense of BALANCE, as well. You may use crayon, marker, or colored pencil.

*****Extra:** You can cut the whole square out and glue it on a piece of colored construction paper if you have any.

Balance in art is defined as the equal distribution of visual weight in a composition. All the elements (line, shape, color, etc) in that composition look stable or have a feeling of **balance** (like one side is not heavier than the other). **Balance** is one of the principles of design.

