

6th Grade Math

Name _____

Teachers:

Mattison Callahan, mcallahan@asheboro.k12.nc.us

Office hours 10am-11am and 5pm-6pm

Lora Ritter, lritter@asheboro.k12.nc.us

Office hours 10am-11am and 5pm-6pm

Phone number- 336-459-0688

Leighann Patrick, lpatrick@asheboro.k12.nc.us

Melissa McKeown mmckeown@asheboro.k12.nc.us

*****If you do not have internet access, complete the rest of the pages in this packet.***

If you have computer access,

Log on to your computers and go to your school email; click on the square in the upper right corner (little dots) and go to your Google Classroom for Math.

6th Grade Math

Name _____

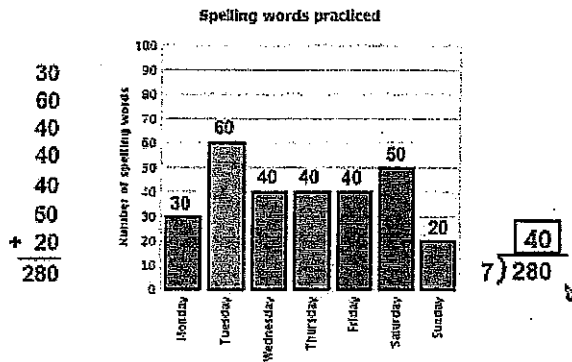
These are your assignments for April 20th to May 1st. If you have internet access, please complete the "Google Classroom" column and don't forget to check Google Classroom and your email daily. If you don't have internet, please complete the work in the "in Packet" column. We miss you and hope you are doing well and staying safe!

Days	Google Classroom	In Packet	Notes
April 20-21 Mean/Average	<p>Day 1: Watch the Videos AND do 9.2 Practice Page A problems 1-6.</p> <p>What is the Mean of a data Set? http://cdn.virtualnerd.com/videos/Alg1_14_02_001_4.mp4</p> <p>What is an Outlier? https://youtu.be/lp8XhG5ZqsY</p> <p>Day 2: Rewatch Videos from Day 1 AND Finish 9.2 Practice Page A problems 7-12.</p>	<p>Day 1: look at the transcript of the video about Mean and Outliers AND complete 9.2 Practice Page A problems 1-6</p> <p>Day 2: review the notes AND finish 9.2 Practice Page A problems 7-12.</p>	<p>A transcript of the video is included to explain the process in case you do not have internet access</p>
April 22-23 Median	<p>Day 3: Watch the Video AND do 9.3 Practice Page A problems 1-8.</p> <p>What is the median of a data set? http://cdn.virtualnerd.com/videos/Alg1_14_02_001_1.mp4</p> <p>Day 4: Rewatch Video from Day 3 AND Finish 9.3 Practice Page A problems 9-14.</p>	<p>Day 3: read the transcript of the video about Median AND complete 9.3 Practice Page A problems 1-8</p> <p>Day 4: review your notes AND finish 9.3 Practice Page A problems 9-14</p>	<p>A transcript of the video is included to explain the process in case you do not have internet access</p>

April 24 and April 27 Mode	<p>Day 5: Watch the Video AND do 9.3 Practice Page B problems 1-6.</p> <p>Find the mode of a given data set http://cdn.virtualnerd.com/videos/Alg1_14_01_001_0.mp4</p> <p>Day 6: Rewatch Video from Day 5 AND Finish 9.3 Practice Page B problems 7-14.</p>	<p>Day 5: read the transcript of the video and take notes AND do 9.3 Practice Page B problems 1-6</p> <p>Day 6: Review your notes AND Finish 9.3 Practice Page B problems 7-14.</p>	<p>A transcript of the video is included to explain the process in case you do not have internet access</p>
April 28/29 Interpreting Graphs to find Median Mode and Mean	<p>Day 7: Watch the Video: Interpreting charts with mean, median, mode and range https://www.youtube.com/watch?v=afPHDjrnNGo</p> <p>AND do the Line Plot, Median, Mean, Mode, and Range sheet</p> <p>Day 8: Rewatch Video from Day 7 and do the Mean, Median, Mode, and Range</p>	<p>Day 7: Review the notes for Using Graphs to Find Mean, Median, Mode, and Range AND do the Line Plot: Median, Mean, Mode, and Range sheet</p> <p>Day 8: Review notes from Day 7 and do the Mean, Median, Mode, and Range</p>	
April 30 Mixed Practice	<p>Day 9: Choose 5 numbers between 20 and 100. You need to find the Mean, Median and Mode of those numbers.</p> <p>Day 10: Complete the 10 Mean, Median, and Mode Word Problem sheet.</p>	<p>Day 9: Choose 5 numbers between 20 and 100. You need to find the Mean, Median and Mode of those numbers.</p> <p>Day 10: Complete the 10 Mean, Median, and Mode Word Problem sheet.</p>	

Using graphs to find mean, median, mode, and range

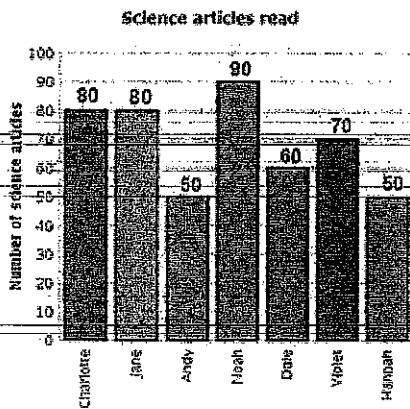
Nick wrote down how many spelling words he practiced each day.



What is the mean number of spelling words Nick practiced daily?

1. Make sure you know what the question is asking...
to find the **mean = average**
2. Label the value of each column
3. First we must find the **SUM (total)** of **all** of the numbers
 $30+60+40+40+40+50+20 = 280$
4. Then we **divide** the sum by the total number of terms in the set
 $280 \div 7 = 40$
5. The mean (or average) number of spelling words Nick practiced each day is 40

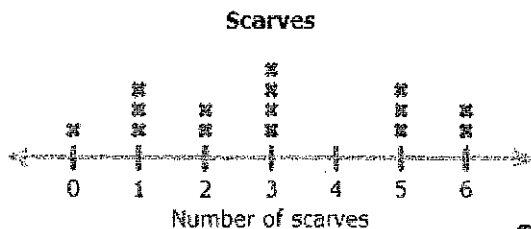
Charlotte's classmates revealed how many science articles they read.



What is the median number of articles read?

1. Make sure you know what the question is asking...
to find the **median = the middle number**
2. Label the value of each column
3. First we must put the numbers in order from **least to greatest (include ALL the numbers)**
50, 50, 60, 70, 80, 80, 90
4. Then, find which number is in the middle
50, 50, 60, **70**, 80, 80, 90
5. The median (or middle) number of articles read is 70

Look at this line plot:

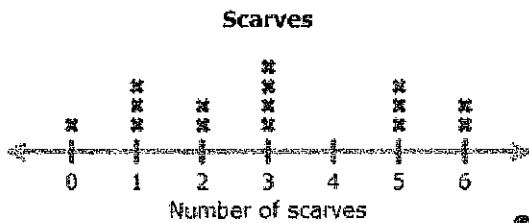


What is the range of the numbers?

$$6 - 0 = \boxed{6}$$

1. Make sure you know what the question is asking...
To find the **range = the difference** between the smallest and largest value in the data set
2. **Subtract the smallest value (0) from the largest value (6)**
 $6 - 0 = 6$
3. The range of the data set is 6

Look at this line plot:

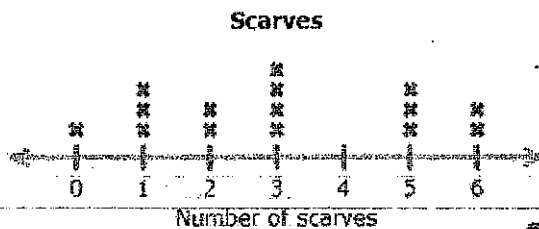


What is the mode of the numbers?

3 is listed the most

1. Make sure you know what the question is asking...
to find the mode = which value in the data set occurs the most
2. You can look at the number of Xs on the line plot and see that the most Xs are found above 3
3. The mode of the data set is 3

Look at this line plot:



What is the median of the numbers?

0, 1, 1, 1, 2, 2, 3, **3**, 3, 3, 5, 5, 5, 6, 6

1. Make sure you know what the question is asking...
To find the median = the middle number
2. Write down all of the values from the line plot in order
3. There is one X above 0, so write one 0... there are three Xs above 1, so write three 1s... etc.
4. Once you have listed all of the values from the line plot, find which number is in the middle
5. The median number of scarves is 3

Jorge's class tracked how many newspapers each student collected for their recycling project.

Newspapers collected		
Name	Number of newspapers	
Jorge		16
Ann		12
Ruben		19
Yoko		11
Francis		20

What is the median of the numbers?

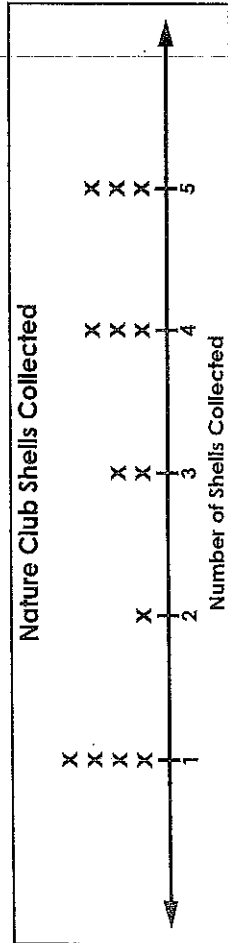
11 12 **16** 19 20

1. Make sure you know what the question is asking...
To find the median = the middle number
2. Label the values of each row
3. Put the numbers in order from least to greatest
4. Find which number is in the middle
5. The median number of newspapers students collected is 16

Name: _____

Line Plot: Median, Mean, Mode, and Range

The nature club at Westville Middle School went on a field trip to the seashore. Each member collected seashells to put on display at the school. The line plot below shows how many shells each club member collected.

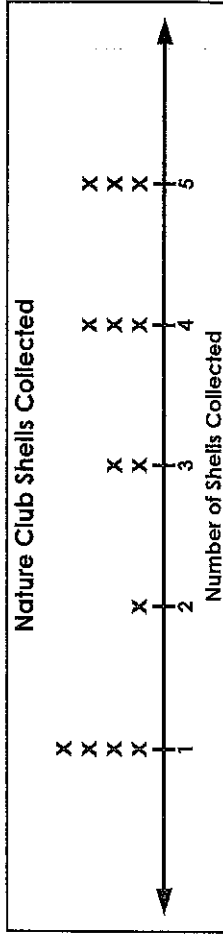


1. What is the median number of shells collected? _____
2. What is the mode? _____
3. What is the range? _____
4. How many shells were collected in all? _____
5. What is the mean, or average, number of shells collected? _____

ANSWER KEY

Line Plot: Median, Mean, Mode, and Range

The nature club at Westville Middle School went on a field trip to the seashore. Each member collected seashells to put on display at the school. The line plot below shows how many shells each club member collected.



1. What is the median number of shells collected? 3 shells
2. What is the mode? 1 shell
3. What is the range? 4 shells
4. How many shells were collected in all? 39 shells
5. What is the mean, or average, number of shells collected? 3 shells

Name: _____

Mean, Median, Mode, and Range

Find the mean, median, mode, and range for each set of numbers.

a. 3, 4, 9, 7, 7

mean: _____

median: _____

mode: _____

range: _____

b. 15, 3, 3

mean: _____

median: _____

mode: _____

range: _____

c. 3, 0, 0, 2, 0

mean: _____

median: _____

mode: _____

range: _____

d. 5, 6, 5, 2, 4, 5, 1

mean: _____

median: _____

mode: _____

range: _____

e. 10, 6, 3, 10, 1

mean: _____

median: _____

mode: _____

range: _____

f. 4, 6, 2, 6, 9, 3, 5

mean: _____

median: _____

mode: _____

range: _____

ANSWER KEY

Mean, Median, Mode, and Range

Find the mean, median, mode, and range for each set of numbers.

a. 3, 4, 9, 7, 7

mean: 6

median: 7

mode: 7

range: 6

b. 15, 3, 3

mean: 7

median: 3

mode: 3

range: 12

c. 3, 0, 0, 2, 0

mean: 1

median: 0

mode: 0

range: 3

d. 5, 6, 5, 2, 4, 5, 1

mean: 4

median: 5

mode: 5

range: 5

e. 10, 6, 3, 10, 1

mean: 6

median: 6

mode: 10

range: 9

f. 4, 6, 2, 6, 9, 3, 5

mean: 5

median: 5

mode: 6

range: 7

**Hey diddle diddle,
the median's the middle;
YOU ADD AND DIVIDE FOR THE MEAN.
The mode is the one that appears the most,
and the range is the difference between.**

Average

Mean

The MEAN of a data set is the *sum* of the numbers *divided* by the total amount of numbers.

Step 1:
Find the sum of your data set.
 $1 + 4 + 9 + 7 + 9 = 30$

Step 2:
Count the total amount of numbers in your data set.
 5

Step 3:
Divide the sum by the total amount of numbers in your data set.
That is your MEAN
 $30 \div 5 = 6$

Middle

Median

The MEAN of a data set is the middle value when the numbers are written from least to greatest.

Step 1:
Arrange the data from least to greatest
 $1, 4, 7, 9, 9$

Step 2:
Find the middle number. That is your MEAN.
 7

***Step 3:**
If your data set has an even number of data, find the mean of the two middle values.

Most

Mode

The MOPE of a data set is the number that occurs most often.
There may be more than one!

Step 1:
Arrange the data from least to greatest
 $1, 4, 7, 9, 9$

Step 2:
Find the number that occurs most often. That is your MOPE.
 9

Difference

Range

The RANGE of a data set is the *difference* between the greatest number and the least number.

Step 1:
Arrange the data from least to greatest
 $1, 4, 7, 9, 9$

Step 2:
Subtract the smallest number from the largest number. That is your RANGE.
 $9 - 1 = 8$

Name: _____ Date: _____

9.3 Practice A

Find the median and mode(s) of the data.

- 1, 3, 5, 6, 7, 9, 11
- 2, 2, 6, 8, 10, 14
- 12, 15, 10, 12, 21, 9, 12
- 15, 22, 31, 22, 12, 16
- 52, 61, 56, 55, 72, 64
- 71, 51, 37, 44, 30, 49, 55
- 91, 96, 89, 97, 89, 98, 94, 93
- 55, 60, 60, 60, 60, 75, 40, 25

data: 25, 38, 24, 22, 27, 24, 29, 26
 ordered data: 22, 24, 25, 26, 27, 28, 29
 The median is 26.
 There is no mode.

Find the mode(s) of the data.

Breeds of Dogs in a Pet Hotel	
lab	beagle
poodle	pug
schmizer	pit bull
pit bull	boxer
beagle	akita
boxer	pit bull
	poodle
	lab

Students' initials	
TC	AT
RC	CC
TD	TD
DT	LB
TR	SS
TL	TL
JG	RL
JC	MB
GR	GR
FV	MS
DK	BB
JF	JF
RG	PS
MA	WS
FC	FC

Find the mean, median, and mode(s) of the data. Choose the measure that best represents the data. Explain your reasoning.

12. 6, 35, 8, 20, 6, 16, 7
13. 66, 57, 66, 16, 2, 35, 66, 114
14. You sent the same email messages to 10 of your friends. The numbers of hours it took them to reply were 1, 1, 1, 2, 3, 4, 5, 5, and 25.

- Find the mean, median, and mode of the data.
- Which measure best represents the data? Explain your reasoning.
- Which data value is an outlier? Explain your answer.
- Predict how the mean, median, and mode would change if you omit the outlier in the data list.

Mean, Median, and Mode Word Problems

- The bowling team's scores at last week's competition were 123, 140, 155, 143, and 167. What is the median score for the team?
 - 144
 - 155
 - 123
 - 143
- The apartments in a building rent for the following amounts per month: \$775, \$550, \$900, \$550, \$775, \$800, \$950, \$550. What is the mode of the rents?
 - \$400
 - \$550
 - \$731
 - \$775
- Sally went bowling with her friends on Saturday. She bowled 5 games and her scores were 149, 183, 149, 193, and 147. About what is the mean of Sally's bowling scores?
 - 193
 - 147
 - 149
 - 161
- Chelle records the number of minutes she practices the trumpet each day, as shown below:

Sunday	- 20 minutes
Monday	- 30 minutes
Tuesday	- 10 minutes
Wednesday	- 20 minutes
Thursday	- 15 minutes
Friday	- 20 minutes

 What is the mode for this set of data?
 - 10
 - 15
 - 20
 - 30

Name _____ Date _____

9.3 Practice B

Find the mean, median, and mode(s) of the data. Choose the measure that best represents the data. Explain your reasoning.

- 83, 68, 56, 100, 78, 94, 74
- 55, 65, 40, 22, 56, 65, 61, 57
- 104, 128, 72, 75, 73, 119
- 20.1, 13.4, 9.8, 21.3, 20.8, 19.1, 68.1, 22.6

Find the mean, median, and mode(s) of the data with and without the outlier. Describe the effect of the outlier on the measures of central tendency.

- 79, 75, 26, 65, 72, 67, 71
- 70, 85, 150, 90, 85, 65, 65, 85

Find the mean, median, and mode(s) of the data.

- 0.39, 0.52, 0.30, 0.33, 0.44, 0.32
- 2.4, 1.6, 1.2, 2.4, 2.7, 1.9, 2.5, 2.1

- $\frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{5}{6}, \frac{1}{2}$
 $\frac{3}{4}, \frac{2}{3}, \frac{3}{4}, \frac{1}{2}, \frac{5}{8}, \frac{1}{2}, \frac{2}{8}$
- $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{1}{4}, \frac{3}{4}, \frac{5}{8}, \frac{1}{2}, \frac{2}{8}$
 $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{1}{4}, \frac{3}{4}, \frac{5}{8}, \frac{1}{2}, \frac{2}{8}$

Find the mode(s) of the data.

- A, B, D, C, D, B, A, R, C, D, A
- X, Y, X, X, Y, Y, X, X, Y, X, Y, X, Y, X

A punter's first four punts in a football game are shown: A first, a fifth punt, the punter's mean was 30 yards. How long was the fifth punt? Explain how you found your answer.

1st	2nd	3rd	4th	5th
10 yd	12 yd	12 yd	12 yd	12 yd

- Each of five children picks out a birthday present for their mother. They share the total cost of the gifts equally.
 - Find the mean, median, and mode.
 - Which measure best represents the typical price of a gift? Explain.
 - Which measure best represents each child's share of the cost? Explain.

Gift prices
\$0.95
\$10.25
\$9.80
\$9.95
\$24.95

- A bakery sells 30 cupcakes at \$3.00 each, 12 cakes at \$20.00 each, and 40 loaves of bread at \$4.00 each. What is the average price of an item sold?
 - \$5.98
 - \$9.00
 - \$18.15
 - \$80.00
 - \$490.00

- Alex was keeping track of his grades for history throughout the quarter. His grades were: 66, 90, 88, 77, 89, 100, 77, 74, 87, 95, 77. What is Alex's average?
 - 77
 - 80.94
 - 82
 - 89.91

- The following are amounts of rainfall, in inches: 56, 28, 38, 28, 30, 20, 35, 94, 37, 29. Find the median of the data.
 - 28 in.
 - 30 in.
 - 32.5 in.
 - 29.5 in.

- Given the following amounts of rainfall, in inches: 36, 28, 38, 28, 30, 20, 35, 94, 37, 29. Find the mode of the data.
 - No mode
 - 28 in.
 - 32.5 in.
 - 94 in.

- Question and Michael are on a bowling team. Below are their bowling scores.

Michael: 250, 240, 219, 199, 189
 Quentin: 250, 264, 244, 200, 215

How much higher is Michael's median score than Quentin's median score?

- 6
- 23
- 3
- 4

- During the carnival, tickets were sold for the raffle. Carnival workers took count of sales every 30 minutes. The number of tickets sold were: 123, 145, 110, 255, 123. What were the median number of tickets sold?
 - 123
 - 146
 - 256
 - 110

What is the Mode of a Data Set?

What is the mode of a data set?



Name _____ Date _____

9.2 Practice A

Describe an average value of the data.

- 7, 5, 9, 6, 3
- 66, 93, 76, 101, 88, 81, 72, 95
- 8, 10, 15, 7, 18, 14
- 31, 73, 82, 58, 44, 60

Find the mean of the data.

- | Movies Watched In-Class | Students Absent |
|-------------------------|-----------------|
| Language Arts: | Monday: |
| Social Studies: | Tuesday: |
| Math: | Wednesday: |
| Science: | Thursday: |
| A.T.: | Friday: |

- | Marching Band Members | Problems Completed |
|-----------------------|--------------------|
| Wilson M.S.: 44 | Kara: 18 |
| East M.S.: 62 | Josh: 12 |
| Central M.S.: 75 | Dana: 13 |
| Seaside M.S.: 39 | Robert: 8 |
| Clair M.S.: 55 | Katie: 19 |

- | School Car Recycling | Text Messages |
|----------------------|---------------|
| Sp: 80 | Jan: 420 |
| Fr: 60 | Feb: 350 |
| Th: 50 | Mar: 400 |
| W: 65 | Apr: 380 |
| Tu: 70 | May: 450 |
| Mo: 75 | Jun: 320 |
| Su: 85 | Jul: 300 |
| | Aug: 380 |
| | Sep: 420 |
| | Oct: 350 |
| | Nov: 400 |
| | Dec: 380 |

- For ten school days, the numbers of bikes parked at a school bike rack are 10, 12, 8, 11, 13, 9, 2, 1, 9, and 12.

- Identify two outliers for the data. Describe how the outliers affect the mean.

- You spend 100 minutes on homework each night from Monday through Friday. You spend 190 minutes on homework on Saturday. What is your mean daily number of minutes of homework?

SUMMARY

35, 4, 2, 3, 5, 3
 6, 8, 3, 9, 8, 6
 15, 4, 8, 2, 3, 16, 4, 2

Mode
 ③-3 times
 5-2 times
 4-1 time
 2-1 time
 mode=3

④-2 times
 ②-2 times
 3-1 time
 9-1 time
 mode=6 and 8 NO mode

NOTES

Mode is one type of measure of central tendency

Part 1) Definition

The mode of a data set is the number that occurs most frequently in the data set

A set of data can have one mode, no mode, or multiple modes

Part 2) Examples

To find the mode of a data set, count the number of times each number occurs

- 3, 5, 4, 2, 3, 5, 3
3 occurs most frequently



What is the Median of a Data Set?

What is the median of a data set?

- b) 6, 8, 3, 9, 8, 6
6 and 8 occur most frequently
- c) 15, 4, 8, 23, 16, 42
No number occurs more frequently than the others

Part 3) When do you use mode?

The mode should be used when you are trying to find the most common or most popular response, or when the data is non-numeric

Number of Siblings
1,3,2,0,1,1,2,1,0,5,1,1
mode = 1

Favorite Pizza Topping
Pepperoni-9 Cheese-7
Sausage-4 Anchovies-1
mode = Pepperoni

SUMMARY

The median is the middle number in a data set when the data points are in numerical order

The example on the right has an EVEN number of data points

To find the median, we take the average of the two middle numbers, 6 and 10

In the last example, 275 is an outlier

The mean isn't a good measure here, because it is larger than all the numbers in the data set except for the outlier!

The mode isn't a good measure here either, because it is the smallest number in the data set

MEDIAN

The MIDDLE number in a data set

2	4	5	7	12	15	18	3	4	6	10	13	19
			↑									
			Median									

52	52	65	73	81	86	89	91	275
Mean = 96 Mode = 52 Median = 81								

NOTES

Part 1) Definition

The MEDIAN of a data set is the number in the MIDDLE when the data is put in numerical order

It doesn't matter if the data points are in order from least to greatest or greatest to least

The same number will be in the middle either way

In our example, the data is already in order!
So the median is just the middle number, which is 7

To find the middle number, just count inward from the beginning and end of the list

You can see that there are 3 numbers bigger than 7 and 3 numbers smaller than 7

So 7 lands right in the middle!

Part 2) Finding the median

If you have an ODD number of data points:

- 1) Put the numbers in order
- 2) Pick out the middle number

If you have an EVEN number of data points:

- 1) Put the numbers in order
- 2) Pick out the TWO middle numbers
- 3) Find the average of the two middle numbers

Part 3) When to use the median

Measures of central tendency summarize data sets by finding a number that is close to most of the points in the data set

Mean, median, and mode are all examples of measures of central tendency

Depending on your data set, sometimes one of these works better than the others

The best measures of central tendency are close to most of the points in the MIDDLE, or CENTER, of the data set

An outlier is a data point that is much bigger or much smaller than all the other points in the set

The MEDIAN is good to use when your data has OUTLIERS

In our example, 275 is an outlier. It's much larger than all the other points in our data set!

If you have an outlier in your data set, the mean will be skewed toward that outlier

Outliers can throw off other measures of central tendency, like the mean

Since we can't have two medians, we want to figure out what number comes right in between them

To do this, we can take the average of the two middle numbers

This means that the median won't always be one of the original data points, but that's okay!

So if your outlier is much bigger than the rest of the data points, your mean will be bigger than most of your data points as well

If your outlier is much smaller than the rest of the data points, your mean will be smaller than most of your data points

In our example the mean, 96, is larger than all the points in our data set EXCEPT the outlier!

So it's not a very good representation of our data set!

In our example, most of our data points are between 65 and 90. So the mode, 52, isn't a good representation either!

The mode, the most common number in our data set, is 52

That's a lot smaller than most of our data points!



What is the Mean of a Data Set?

What is the mean of a data set?

Since most of our numbers are between 65 and 90, a good measure of central tendency should be somewhere in that range

The median is 81, which falls right in the middle of that!

So here the median is the best measure to use to summarize the data set

SUMMARY

$$\text{Mean} = \frac{\text{Mean}}{\text{Number of Data Points}} = \frac{\text{Sum of Data Points}}{n}$$

$$\bar{x} = \frac{x_1 + x_2 + x_3 + \dots + x_n}{n}$$

Data Set: 6,4,10,3,7 \rightarrow mean=6

$$\bar{x} = \frac{6+4+10+3+7}{5} = \frac{30}{5} = 6$$

NOTES

www.VirtualNerd.com

Mean is one type of measure of central tendency

Part 1) Definition

The mean of a data set is the average of all the numbers in the data set

To find the mean of a data set, add up all the data points

Then divide that sum by the total number of data points

Let's use variables instead of words to define the mean

'x' stands for the data points

The subscripts indicate each data point in the set from 1 through 'n', the total number of data points

Another way to note the mean is to use ' \bar{x} ' which looks like this: \bar{x}

Part 2) Example

$$x_1 + x_2 + x_3 + x_4 + x_5$$
$$6 + 4 + 10 + 3 + 7$$
$$n = 5$$

The mean won't always be a number in the data set
It could even be a decimal

Part 3) When to use the mean

The mean is good to use when your data has no outliers

Outliers are data points that are much higher or lower than the rest of the data

The data points here are clustered together

So the mean of 6 is a good representation of this data set!





6TH GRADE ELA WEEKLY WORK

Ms. Davis, Mrs. Holland, Mrs. White, Ms. Patrick

Assignments IF YOU HAVE A COMPUTER AND WI-FI

Week of April 20th - 24th

Announcements

We miss you and hope you're doing well! Please stay safe and healthy! This week we will focus on important skills for reading informational texts. Please complete the assignments listed for each day. If you want to work ahead, that's OK!

<p>MONDAY 4/20</p>	<ul style="list-style-type: none"> - Log on to Google Classroom - Watch the video of Ms. Holland explaining standards RI.6.1 and RI.6.2 and take notes in your notebook - https://www.youtube.com/watch?v=1uZe3-Hb1xs - Read a book or something of your choice for 30 minutes - If you don't have a book, you can get on Epic or ReadTheory. You can also read a magazine or the news! Anything that interests you!
<p>TUESDAY 4/21</p>	<ul style="list-style-type: none"> - Log on to Google Classroom - Choose and watch a video from Epic or CNN10. Complete Central Idea Response Form - Read a book or something of your choice for 30 minutes
<p>WEDNESDAY 4/22</p>	<ul style="list-style-type: none"> - Log on to Google Classroom - Watch the video of Ms. Holland explaining standards RI.6.3 and RI.6.4 and take notes in your notebook - Read a book or something of your choice or Quizlet or FreeRice for 30 minutes
<p>THURSDAY 4/23</p>	<ul style="list-style-type: none"> - Log on to Google Classroom - Choose and watch a video from Epic or CNN10. Complete Word Choice Response Form - Read a book or something of your choice for 30 minutes
<p>FRIDAY 4/24</p>	<ul style="list-style-type: none"> - Log on to Google Classroom - Click on the link for the article "Tomb Raiders" - Read the article and answer the questions on the GoogleForm - Take your time and use your notes to help you! This is a graded assignment. - Read a book or something of your choice for 30 minutes
<p>IF YOU NEED HELP OR HAVE ANY QUESTIONS, PLEASE EMAIL US!</p>	<p>Ms. Davis - ofdavis@asheboro.k12.nc.us Mrs. Holland - holland@asheboro.k12.nc.us Mrs. White - ewhite@asheboro.k12.nc.us Ms. Patrick - patrick@asheboro.k12.nc.us</p> <p>WE HOPE YOU HAVE A GREAT WEEK!</p>

6TH GRADE ELA WEEKLY WORK

Ms. Davis, Mrs. Holland, Mrs. White, Ms. Patrick

Assignments IF YOU ARE DOING THE PAPER PACKET

Week of April 20th - 24th

Announcements

We miss you and hope you're doing well! Please stay safe and healthy! This week we will focus on important skills for reading informational texts. Please complete the assignments listed for each day. If you want to work ahead, that's OK!

<p>MONDAY 4/20</p>	<ul style="list-style-type: none"> - Rewrite the notes about RI.6.1 and RI.6.2 then highlight the most important parts - Read a book or something of your choice for 30 minutes - If you don't have a book, you can read magazines or watch the news with closed captioning on. Anything that interests you!
<p>TUESDAY 4/21</p>	<ul style="list-style-type: none"> - Reread the RI.6.1 and RI.6.2 notes. - Choose to watch the news, read an article from a magazine or the newspaper and answer these questions in your notebook on the next blank page: 1. What is the Central Idea? 2. Write an objective summary 3. Provide evidence from the article to support your response. - Read a book or something of your choice for 30 minutes
<p>WEDNESDAY 4/22</p>	<ul style="list-style-type: none"> - Rewrite the notes about RI.6.3 and RI.6.4 then highlight the most important parts - Read a book or something of your choice or Quizlet or FreeRice for 30 minutes.
<p>THURSDAY 4/23</p>	<ul style="list-style-type: none"> - Reread the RI.6.3 and RI.6.4 notes. - Choose to watch the news, read an article from a magazine or the newspaper and answer these questions in your notebook on the next blank page: 1. How does the author introduce their ideas (word choice)? 2. How do the author's words affect the audience? 3. Write an objective summary. 4. Provide evidence from the newscoast/article to support your response. - Read a book or something of your choice for 30 minutes
<p>FRIDAY 4/24</p>	<ul style="list-style-type: none"> - Read the article "Tomb Raiders" - annotate the text as you read. - Answer the questions - take your time and use your notes to help you! This is a graded assignment. - Read a book or something of your choice or Quizlet or FreeRice for 30 minutes
<p>IF YOU NEED HELP OR HAVE ANY QUESTIONS, PLEASE EMAIL US!</p>	<p>Ms. Davis - ofdavis@asheboro.k12.nc.us Mrs. Holland - holland@asheboro.k12.nc.us Mrs. White - ewhite@asheboro.k12.nc.us Ms. Patrick - patrick@asheboro.k12.nc.us</p> <p>WE HOPE YOU HAVE A GREAT WEEK!</p>

5TH GRADE ELA WEEKLY WORK

Ms. Davis, Mrs. Holland, Mrs. White, Ms. Patrick

★ Assignments IF YOU HAVE A COMPUTER AND WI-FI ★

Week of April 27th - May 1st

Weekly Assignments and Announcements

Please complete the assignments listed for each day. If you want to work ahead, that's OK! We miss you and hope you're doing well! Please stay safe and healthy!

MONDAY 4/27	<ul style="list-style-type: none"> - Reread your notes from last week (RI.6.1-RI.6.4) - Read a book, newspaper or magazine article then write strong words that the author selected and explain how they impact the reader. Also list any words that you did not know. Were you able to figure the meaning out using context clues?
TUESDAY 4/28	<ul style="list-style-type: none"> - Click on the link for the article "Panthers In Peril." This is a graded assignment. - Read the article and answer the questions on the GoogleForm - Take your time and use your notes to help you! - Read a book or something of your choice for 30 minutes.
WEDNESDAY 4/29	<ul style="list-style-type: none"> - Log on to Google Classroom - Choose and watch a video from Epic or CNN10. Complete Google Form - Read a book, use Epic, Ereadica, listen to a podcast (Mrs. Patel or Quarantean) for 30 minutes
THURSDAY 4/30	<ul style="list-style-type: none"> - Click on the link for the article "A North Carolina girl won a state wrestling title and inspired a lot of kids" - Read the article and answer the questions on the GoogleForm - Take your time and use your notes to help you! This is a graded assignment. - Read a book or something of your choice for 30 minutes.
FRIDAY 5/1	<ul style="list-style-type: none"> - Log on to Google Classroom - Choose and watch a video from Epic or CNN10. Complete Google Form - Read a book, use Epic, Ereadica, listen to a podcast (Mrs. Patel or Quarantean) for 30 minutes
IF YOU NEED HELP OR HAVE ANY QUESTIONS, PLEASE REPLY BY	<p>Ms. Davis - cdavis@ashboro.k12.nc.us Mrs. Holland - jholland@ashboro.k12.nc.us Mrs. White - ewhite@ashboro.k12.nc.us Ms. Patrick - lpattick@ashboro.k12.nc.us</p> <p>ONE MORE THING TO REMEMBER!</p>

5TH GRADE ELA WEEKLY WORK

Ms. Davis, Mrs. Holland, Mrs. White, Ms. Patrick

→ Assignments IF YOU ARE DOING THE PAPER PACKET ←

Week of April 27th - May 1st

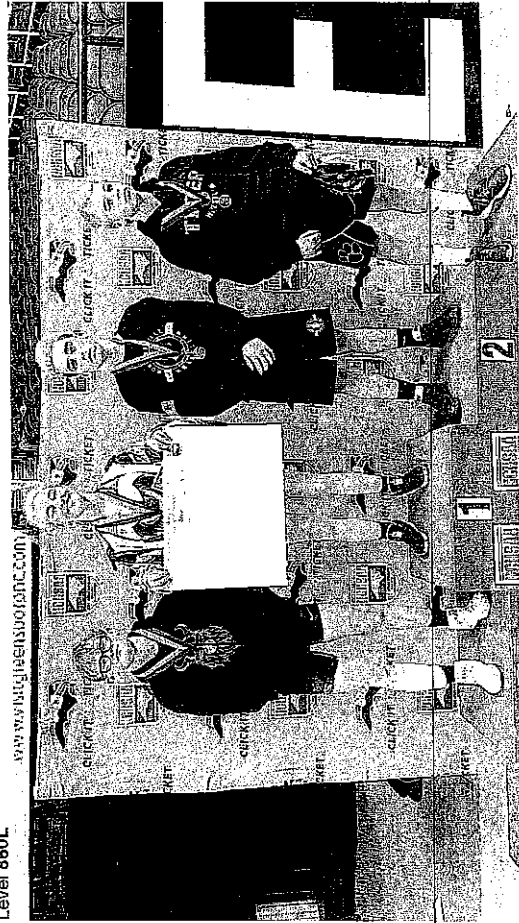
Weekly Assignments and Announcements

Please complete the assignments listed for each day. If you want to work ahead, that's OK! We miss you and hope you're doing well! Please stay safe and healthy!

MONDAY 4/27	<ul style="list-style-type: none"> - Reread your notes from last week (RI.6.1-RI.6.4) - Read a book, newspaper or magazine article. Write strong words that the author selected and explain how they impact the reader. Also, list any words that you did not know. Were you able to figure the meaning out using context clues? Use the next blank sheet in your notebook to write your response.
TUESDAY 4/28	<ul style="list-style-type: none"> - Read the article "Panthers in Peril." Annotate as you read. - Read the article and answer the questions on the GoogleForm - Take your time and use your notes to help! This is a graded assignment. - Read a book or something of your choice for 30 minutes.
WEDNESDAY 4/29	<ul style="list-style-type: none"> - Choose one of the following: watch the news, read an article from a magazine or the newspaper and respond to these prompts in your notebook on the next blank page: <ol style="list-style-type: none"> 1. Summarize what you read or watched. 2. Provide details the author used to support their topic. 3. List the strong words used by the author to get the attention of the reader. Explain how these words connected to the audience. - Read a book for 30 minutes. *If you don't have a book, you can read magazines or watch the news with closed captioning on. Anything that interests you!
THURSDAY 4/30	<ul style="list-style-type: none"> - Read the article "A North Carolina girl won a state wrestling title and inspired a lot of kids" - Answer the questions (use evidence from the text to support them). - Take your time and use your notes to help! This is a graded assignment. - Read a book or something of your choice for 30 minutes.
FRIDAY 5/1	<ul style="list-style-type: none"> - Choose one of the following: watch the news, read an article from a magazine or the newspaper and respond to these prompts in your notebook on the next blank page: <ol style="list-style-type: none"> 1. Summarize what you read or watched. 2. Provide details the author used to support their topic. 3. List the strong words used by the author to get the attention of the reader. Explain how these words connected to the audience. - Read a book for 30 minutes. *If you don't have a book, you can read magazines or watch the news with closed captioning on. Anything that interests you!

A North Carolina girl won a state wrestling title and "inspired a lot of kids"

By Washington Post, adapted by Newsela staff on 03.18.20
 Word Count 675
 Level 860L



Heaven Fitch (second from left) became the first female competitor to win a state high school wrestling championship on February 22, 2020, in Raleigh, North Carolina. Photo: Keith Campbell/High School Athletic Association Twitter @HSAATwitter

In North Carolina's high school wrestling championship meet in 2019, Heaven Fitch placed fourth. Then she set her sights on winning her 106-pound weight class in 2020. Now, Heaven has made history as North Carolina's first girl to win an individual state wrestling championship.

She won in an eight-wrestler group that included seven boys. Since then, TV stations and newspapers have been calling. The importance of Heaven's achievement has grown, say those who have supported girls' and women's wrestling for years. "This has had a ripple effect," said Sally Roberts. She is in charge of Wrestle Like a Girl. It's a nonprofit group that promotes wrestling to educate and empower girls and women. "It is very significant in wrestling history because it's a great example of, 'Yes, women can do it if they're taught, educated and trained.' Wrestling is a sport for everybody."

This article is available at 5 reading levels at <https://newsela.com>.

Michael Moyer leads the National Wrestling Coaches Association. He said the win has created a "terrific conversation" in the wrestling community. "It has promoted interest in the growth of girls' and women's wrestling among people outside the wrestling community, which is just as important."

A Stunning Victory

Heaven is a student at Uwharrie Charter Academy in Asheboro, North Carolina. She had 54 wins and 4 losses for the Eagles this season and was named Most Outstanding Wrestler for her school's division in North Carolina. Still, she was stunned by her victory on February 22.

"It's, like, insane what I've done. It's not fully sunken in yet," she told a TV station.

"It was really a monumental achievement because there were two factors in play," Roberts said. One was the technical skill she needed to win. There was also the mental skill to compete as a female against a field of males, she said. That added "to what she had to carry on her shoulders," she said.

"She Is A Great Competitor"

Heaven is the only girl on Uwharrie's 27-wrestler team, coach Chris Waddell said. However, that will change next year, he said. A middle-schooler who was inspired by Heaven is expected to join the team. Uwharrie's middle school wrestling team includes six girls among its 30 wrestlers.

"Heaven has inspired a lot of kids," Waddell said. He said many of the middle school girls have watched her meets.

Her path to wrestling is similar to that of another female high school wrestler: Mya Kretzer led a years-long effort in Kansas. She wanted to get state leaders to add girls' wrestling as an official sport.

Like Kretzer, Heaven is the daughter of a former wrestler. Both became interested in the sport because of older brothers who wrestled.

"She is a great competitor," Waddell said. Heaven works hard and is a good student, he said. "She wants to study pre-med in college. She's also an accomplished artist. She plays the ukulele and can sing, too."

Heaven's Win Helps Future Female Wrestlers

Roberts is a former wrestler who founded Wrestle Like a Girl in 2016. She said girls' wrestling is an official high school sport in 21 states. Another 15 states hold an unofficial girls' championship. Wrestle Like a Girl is working to increase those numbers, focusing on getting more girls into the sport.

The effort is expected to get a boost from the NCAA's decision to add wrestling to its list of "emerging sports" for women in Division II and III. The NCAA is a college sports association. It has three divisions based on college size. Division I colleges have the most students. The NCAA pledges to approve a national championship when 40 schools have women's wrestling.

It is expected that wrestling scholarships would come after that. Scholarship money would provide more reason for girls to give wrestling a try.

This article is available at 5 reading levels at <https://newsela.com>.

Moyer said 78 colleges and universities have women's wrestling. Nearly all are in Division II or III. Supporters hope to convince the NCAA to add wrestling as an "emerging sport" in Division I.

In Moyer's view, Heaven's history-making state championship helped with that cause.

He called the attention toward it "priceless."

Quiz

1

Read the introduction (paragraphs 1-5).

Select the paragraph from the section that shows how Heaven's life has changed since winning the state wrestling title.

(A) In North Carolina's high school wrestling championship meet in 2019, Heaven Fitch placed fourth. Then she set her sights on winning her 106-pound weight class in 2020. Now, Heaven has made history as North Carolina's first girl to win an individual state wrestling championship.

(B) Since then, TV stations and newspapers have been calling. The importance of Heaven's achievement has grown, say those who have supported girls' and women's wrestling for years.

(C) "This has had a ripple effect," said Sally Roberts. She is in charge of Wrestles Like a Girl, it's a nonprofit group that promotes wrestling to educate and empower girls and women. "It is very significant in wrestling history because it's a great example of, 'Yes, women can do it if they've taught, educated and trained.' Wrestling is a sport for everybody."

(D) Michael Moyer leads the National Wrestling Coaches Association. He said the win has created a "hectic conversation" in the wrestling community. "It has promoted interest in the growth of girls' and women's wrestling among people outside the wrestling community, which is just as important."

2

Read the section "Heaven's Win Helps Future Female Wrestlers."

Which detail from the section BEST supports the conclusion that female wrestling is becoming more widely accepted as a sport?

(A) Roberts is a former wrestler who founded Wrestles Like a Girl in 2016.

(B) Wrestles Like a Girl is working to increase those numbers, focusing on getting more girls into the sport.

(C) The effort is expected to get a boost from the NCAA's decision to add wrestling to its list of "emerging sports" for women in Division II and III.

(D) In Moyer's view, Heaven's history-making state championship helped with that cause.

3

What is the relationship between Heaven's wrestling and her family?

(A) Heaven's family does not want her to wrestle.

(B) Heaven was forced to start wrestling by her father.

(C) Heaven was inspired to wrestle by older brothers.

(D) Heaven's family wants her to compete in the Olympics.

4

Why did Michael Moyer feel so excited after Heaven's win?

(A) He is Heaven's father and a former wrestler himself.

(B) He thinks her win will help build interest in girls' wrestling.

(C) He is Heaven's coach and is proud of her hard work.

(D) He is the founder and leader of Wrestles Like a Girl.

Panthers in Peril



U.S. Fish and Wildlife Service

The Florida panther is a protected species.

Do Florida panthers have nine lives? Scientists sure hope so! The wild cats are on the brink of extinction, or dying out.

During the early 1900s, hundreds of the large, light-brown cats roamed the southeastern United States. By the mid-2000s, panthers could be found only in southern Florida. Wildlife officials estimated that only between 100 and 160 panthers were left in the Sunshine State.

Squeezed Out

What caused the sharp decline in the panther population? Hunting and habitat loss were mainly to blame. During the mid- to late 1900s, millions of people flocked to Florida for its warm climate and inexpensive land. As people built homes and roads, panthers were squeezed out of their habitat.

In 1967, Florida panthers were placed on the endangered species list in the United States. The list was created to protect animals that are on the edge of extinction.

Road to Recovery

Wildlife officials have been working to keep the wild cats out of peril, or danger. Workers have installed fencing along 40 miles of public roads in southwestern Florida to prevent panthers from colliding with cars and other vehicles.

Officials also have made efforts to save the land where panthers live from further development. "We have to protect what's left of their habitat," panther expert Bob DeGross told *Weekly Reader*.

Did You Know?

- A panther is about 10 times as large as a house cat. Adult males can weigh up to 150 pounds; females typically weigh about 70 pounds.
- Panthers are skilled hunters. They mainly prey on white-tailed deer and wild hogs but will also eat armadillos, raccoons, and even alligators.
- Panthers became Florida's official state animal in 1982.
- Baby panthers stay with their mothers for about two years, learning to hunt and survive.

Name: _____ Date: _____

1. The author asks, "What caused the sharp decline in the panther population?" *Decline* means

- A. to decrease in number.
- B. to protect oneself.
- C. to move to another habitat.
- D. to become unhealthy.

2. The author said that millions of people flocked to Florida. Which of the following sentences uses *flocked* incorrectly?

- A. He felt flocked after a long day at school.
- B. The kids flocked to the pool when the weather got too warm.
- C. The pigeons flocked to the crumbs of bread.
- D. Cruises were so popular last summer, people flocked to their travel agents.

3. Having the panthers on the endangered species list means

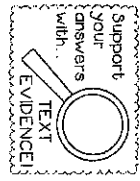
- A. people are trying to protect the panthers.
- B. people are providing space for the panthers to live.
- C. people are not allowed to hunt panthers.
- D. all of the above.

4. The author writes that workers have installed fencing to prevent panthers from colliding with cars and other vehicles. *Collide* means


- A. to jump on.
- B. to attack.
- C. to scratch.
- D. to come together.

5. Why is it important to save the Florida panthers?

RI.6.1 - Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

<p>Questions You will see these in both fiction AND non-fiction texts.</p> <ul style="list-style-type: none"> -What details does the author use to convey this idea? -In paragraph _____ what evidence supports _____? -Based on the selection, what can be inferred about _____? -Which piece of evidence supports your analysis? 	<p>Notes</p> <p>Great readers CITE textual EVIDENCE (proof) to SUPPORT their analysis of a text</p> <div style="border: 1px dashed black; padding: 5px; display: inline-block;">  </div> <p>Ex: I know this because _____ On page _____ the author says _____ According to the text _____ The illustration/picture/graph/chart shows _____</p> <p>There are two ways to find evidence:</p> <ul style="list-style-type: none"> - What the author says EXPLICITLY The author directly states something. Ex: I know that Coke is more popular than Pepsi because on page 3 it says "Coke sells more than three times as many bottles a month as Pepsi." - Making an INFERENCE Combining what you already know with clues in the text to reach a conclusion Ex: I know that Mario is angry when Luigi wins, because the text says "he clenched his fists" and I sometimes want to hit something when I'm angry. <div style="border: 1px solid black; padding: 5px; display: inline-block; text-align: center;"> <p>What I Know + What I Know = Inference</p> </div>
<p>Summary Cite textual evidence to support what the text says directly as well as inferences drawn from the text.</p>	

RI.6.2 Determine a central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.

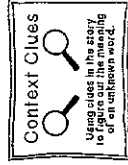
<p>Questions These questions will be seen in both fiction AND non-fiction:</p> <ul style="list-style-type: none"> -What key details would be included in a summary? -Which of the following is a summary of the text? <p>RI questions</p> <ul style="list-style-type: none"> -What is the central idea of the text? -What details support the central idea? <p>How do the details in paragraph _____ contribute to the development of the central idea of the text?</p>	<p>Notes</p> <p>To help understand a text, it is important to figure out the CENTRAL IDEA (main idea)</p>  <p>What is the text mostly about? What does the author want the reader to learn? The central idea is supported by details (think about the legs of a table)</p> <p>All types of text can be SUMMARIZED A summary includes: the most important parts or details A summary does <u>not</u> include: your opinions</p>
<p>Summary RI- Determine a central idea of a text and how it is conveyed through particular details; provide a summary of the text without including personal opinions (objective summary).</p>	

RI.6.3 Analyze in detail how a key individual, event, or idea is introduced, illustrated, and elaborated in a text.

<p>Questions</p> <p>According to lines _____, what happened after...?</p> <p>How does the individual/idea evolve (change) throughout the text?</p>	<p>Notes</p> <p>To ANALYZE means to look at something very closely.</p> <p>As you read informational texts, pay attention to how the author introduces important individuals or events.</p> <ul style="list-style-type: none"> - Do they use text features? - What words do they use to emphasize their importance? <p>Throughout the text, think about how the individual or event changes.</p> <ul style="list-style-type: none"> - What caused the change? - How does the author explain the change?
<p>Summary *** Write a summary on your own paper; use the definition of 6.3 above to help.</p>	

RI.6.4 Determine the meaning of words and phrases as they are used in a text; analyze the impact of a specific word choice on meaning.

<p>Questions</p> <p>What does the word/phrase _____ mean in this selection?</p> <p>Without changing the meaning of the sentence, which word(s) can be used to replace the underlined word(s)?</p> <p>What are the (positive/negative) connotations for the phrase _____?</p>	<p>Notes</p> <p>To determine the meaning of unknown words or phrases, use context clues!</p> <ul style="list-style-type: none"> - Definition: the word is defined in the sentence, or the following sentences - Example: the author may give an example of the word - Synonym: a word with a similar meaning - Antonym: a word with an opposite meaning - Inference: use your background knowledge and clues in the text to figure out the meaning
<p>Summary** Write a summary on your own paper; use the definition of 6.4 above to help.</p>	



News Shorts: Tomb Raiders



a part of the Valley of the Kings in Egypt

American archaeologists recently did something that would make their mummies proud: They discovered a hidden Egyptian tomb!

Ohio J. Schaden and his team found the burial chamber underground in Egypt's Valley of the Kings. It holds five mummies in *sarcophagi* (sar-KAH-fuh-gih), or coffins. The tomb also contains 20 jars in which Egyptians stored food and drink for the afterlife.

This marks the first time an intact tomb has been discovered in the valley in 84 years. The last tomb found there was that of Tutankhamen, the boy king. Tut's tomb is just feet from the newly found chamber.

"It was just so amazing to find an intact tomb here after all the work that's been done before," Edwin Brock, one of the project leaders, told reporters.

Archaeologists suspect that the tomb is about 3,000 years old. The scientists will study the sarcophagi to determine the mummies' identities and social status.

One of the sarcophagi has the features of a woman with black hair, dark-lined eyes, and a gold necklace.

Schaden says the mummies may be members of a pharaoh's court, but some people have speculated that the tomb may hold the mummy of Nefertiti—one of Egypt's most beautiful and powerful queens. Even if the tomb doesn't hold Nefertiti's remains, it's still the find of a lifetime, archaeologists say. "This cache... proves that the Valley of the Kings is not exhausted," Mansour Bourdak, an Egyptian official, told reporters.

Name: _____ Date: _____

1. The newly found tomb contains all of the following EXCEPT

- A. a gold necklace
- B. the mummy of King Tut
- C. 20 jars in which food was stored
- D. five mummies in sarcophagi

2. How do archaeologists describe the tomb?

- A. as a tomb that has been raided
- B. as the find of a lifetime
- C. as an ordinary burial chamber
- D. as a place where people live

3. In the first paragraph ("American archaeologists recently did something that would make their mummies proud..."), why did the author choose the phrase "make their mummies proud"?

- A. The author knows what an important role mothers play.
- B. The author was being funny by using a play on words.
- C. The author thought that the mummies were happy to be found.
- D. The author wanted to show how serious the discovery is.

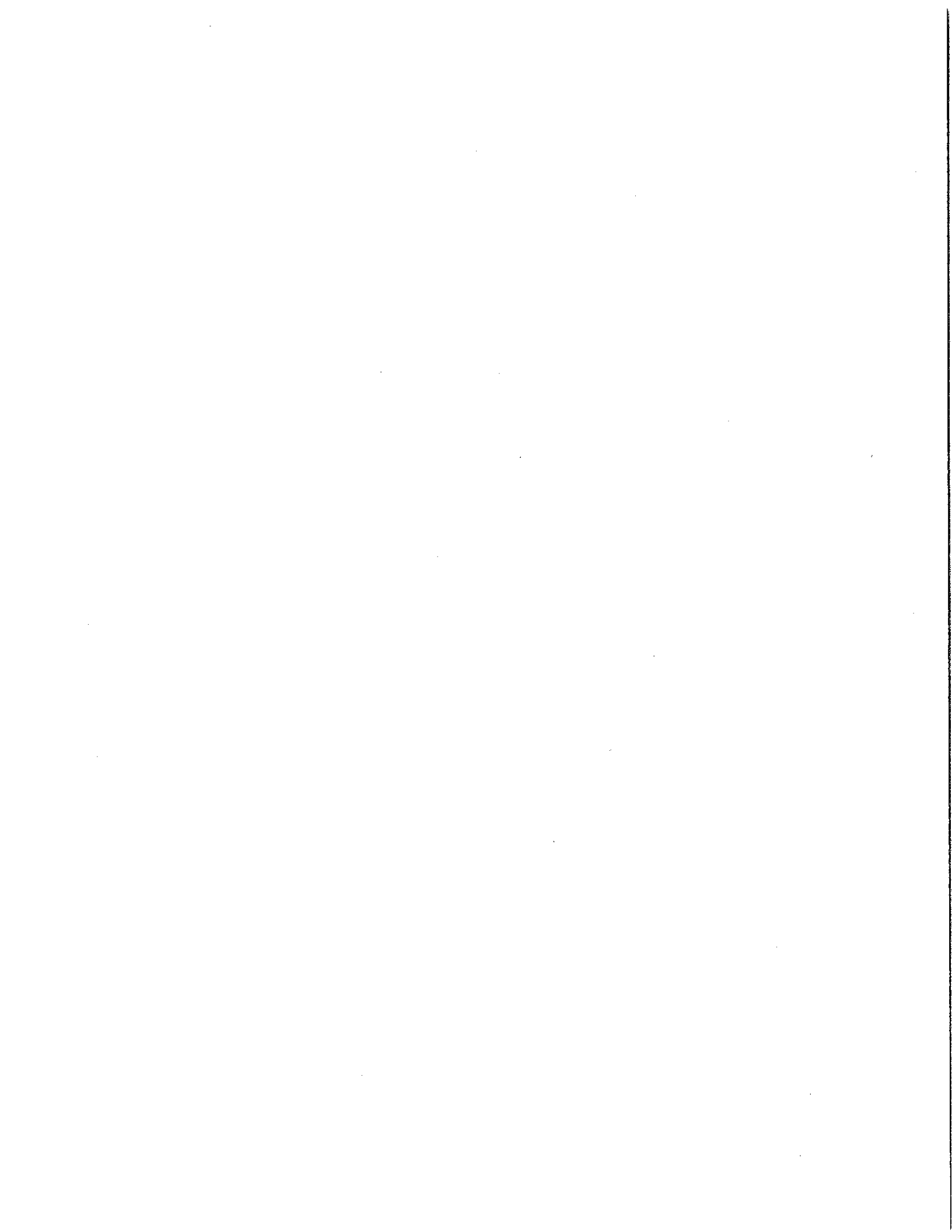
4. Read this sentence from the passage:

"Schaden says the mummies may be members of a pharaoh's court, but some people have speculated that the tomb may hold the mummy of Nefertiti—one of Egypt's most beautiful and powerful queens."

In this sentence, the word **speculated** means

- A. thought
- B. forgotten
- C. discovered
- D. broadcast

5. Which statement best describes the main idea of this passage?
- A. Scientists recently found a hidden Egyptian tomb.
 - B. Being an archaeologist is challenging but rewarding.
 - C. Egypt's Valley of the Kings is a place rich with history.
 - D. Queen Nefertiti was a beautiful and powerful ruler.
6. What are sarcophagi?
7. How do you think the author feels about the discovery? How do you know? Cite an example from the text.
8. The question below is an incomplete sentence. Choose the word that best completes the sentence.
- _____ many archaeologists had been to the site before, this was the first time the hidden tomb was discovered.
- A. Although
 - B. During
 - C. Because
 - D. When



Name:

Date:

Period:

6th Grade Science

Teachers:

- Emily Keller
 - ekeller@asheboro.k12.nc.us
 - Office Hours: M-F 9-10, 1-2
- Vernon McPhatter
 - vmcphatter@asheboro.k12.nc.us
 - Office Hours: M-F 8-10, 12-2

*****If you have internet access, your materials for you to complete will be posted on Google Classroom. Please continue to check Google Classroom and your email regularly.*****

*****If you do not have internet access, please complete this packet. Resources to help you with the packet will be posted on Google Classroom if you do have access to the internet at some point during this time.*****

Solids, Liquids, & Gases

Cross-Curricular Focus: Physical Science



All things on Earth are made up of matter. Matter exists in three different forms. These forms are **solid**, **liquid**, and **gas**. Matter looks and acts differently in each of its forms.

Matter in its solid form has a definite shape. It also takes up a certain amount of space. Under a microscope, you can see the particles. They look squished together. The particles do not have very much room to move around. All they can do is vibrate, like a cell phone does when you turn off the ringer.

Matter in its liquid form takes up a certain amount of space. But liquid does not have a definite shape. It shapes itself like the container it is in. Under a microscope, its tiniest particles slide past each other. They have room to move around. That's what lets them change their shape to match the container.

Matter in its gas form does not take up a certain amount of space. It does not have a definite shape, either. Its tiniest particles have lots of space in between them. They bounce around very fast!

Name: _____

Answer the following questions based on the reading passage. Don't forget to go back to the passage whenever necessary to find or confirm your answers.

1) What are the three forms of matter?

2) Which form of matter has tiny particles that vibrate against each other, but do not have room to slide?

3) Which form of matter has the most space in between its particles?

4) Which form of matter has tiny particles that slide past each other?

5) What is matter?

Name: _____ Date: _____

Heat Transfer Science Literacy Article

Did you know that all matter has heat energy? Heat is the form of energy associated with the movement of atoms and molecules in a material. It is often referred to as thermal energy. Some objects have more heat energy than others. A pot of boiling water has more heat energy than a bucket of ice cubes. This is because the particles of a warmer object (boiling water) move faster than the particles of a cooler object (ice cubes).

Heat is also able to transfer from one object to another. Heat always transfers from substances with more thermal energy to substances with less thermal energy until both substances reach the same temperature. This is known as thermal equilibrium. Thermal equilibrium is demonstrated when a hot bowl of soup is left out for several hours and it eventually reaches room temperature.

The three main ways that heat is able to transfer is through conduction, convection, and radiation. Conduction is the transfer of heat from one substance to another through direct contact. Conduction occurs most commonly with solids, but can occur with liquids and gases as well. A metal spoon in hot soup, ice melting in your hands, and holding a hot cup of coffee are all examples of conduction.

The next way that heat transfers is through convection. Convection is the transfer of heat through currents caused by the warming and cooling of liquids and gases. Warmer substances are less dense and will rise, while cooler substances are more dense and will sink. Convection does not occur in solids because the particles of solids are too tightly packed. Moving wind or ocean currents, heat rising from a chimney, and cooking popcorn with an air popper are all examples of convection.

The final way that heat transfers is through radiation. Radiation is the transfer of heat through electromagnetic waves. These electromagnetic waves are able to travel through empty space and do not require matter to transfer energy. Roasting a marshmallow over a flame, feeling the warmth of the Sun on your face, and the heat given off from a light bulb are all examples of radiation.

As you have read, heat can transfer through several different methods. You have probably experienced all three forms of heat transfer at some point throughout your day. You may have even experienced all three methods at the same exact time. Heat transfer is occurring all around you!

© THE SCIENCE BUD

Name: _____

Date: _____

Heat Transfer Question Companion

For 1-5, choose the best answer.

1. You touch a shopping cart in the grocery store parking lot. What type of heat transfer is happening between your hand and the handle?
 - a. Conduction
 - b. Convection
 - c. Radiation
 - d. Thermal Equilibrium
2. How does thermal energy move?
 - a. Thermal energy moves back and forth between substances until they are the same temperature.
 - b. Thermal energy does not transfer between substances.
 - c. Thermal energy moves from the cooler substance to the warmer substance.
 - d. Thermal energy moves from the warmer substance to the cooler substance.
3. What is heat?
 - a. When a substance has a lot of thermal energy.
 - b. The movement of atoms and molecules in a material.
 - c. The lack of movement of atoms in a material.
 - d. When things are becoming the same temperature.
4. Heat moves between two substances until they both reach the same temperature. What is this process called?
 - a. Conduction
 - b. Convection
 - c. Radiation
 - d. Thermal Equilibrium
5. True or False: Radiation waves require matter in which to travel.
 - a. True
 - b. False

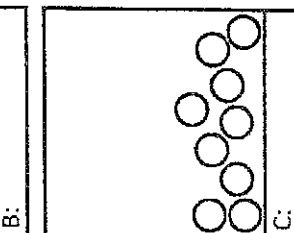
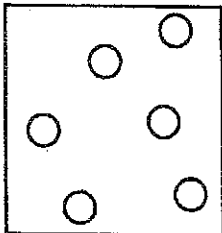
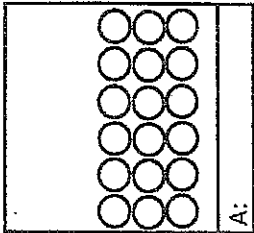
Fill in the blank(s) with the correct answer for 6-9.

6. In a fluid, heat transfers when _____ substances rise, and _____ substance sink.
7. Convection cannot occur in _____ because the molecules are packed too closely.
8. The oceans transfer heat through the process of _____.
9. Microwaves travel through food to heat it in a microwave oven. This is an example of _____.

© THE SCIENCE BUD

SHOW what you KNOW STATES OF MATTER

1. Identify each state of matter.



Name: _____

Date: _____

2. Describe the kinetic energy of each phase of matter.

A: _____

B: _____

C: _____



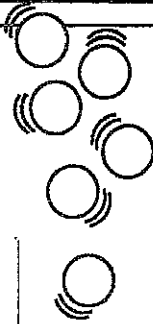
Fill in the blank with the correct term.

3. Matter is anything that has _____ and takes up _____.

4. _____ have no definite shape or volume.

5. _____ is the amount of space an object takes up.

6. Kinetic energy is the energy of _____.



Define the following terms:

7. Condensation

8. Freezing

9. Sublimation

10. Evaporation

11. Melting

Name _____ Date _____

Heat Transfer Coloring

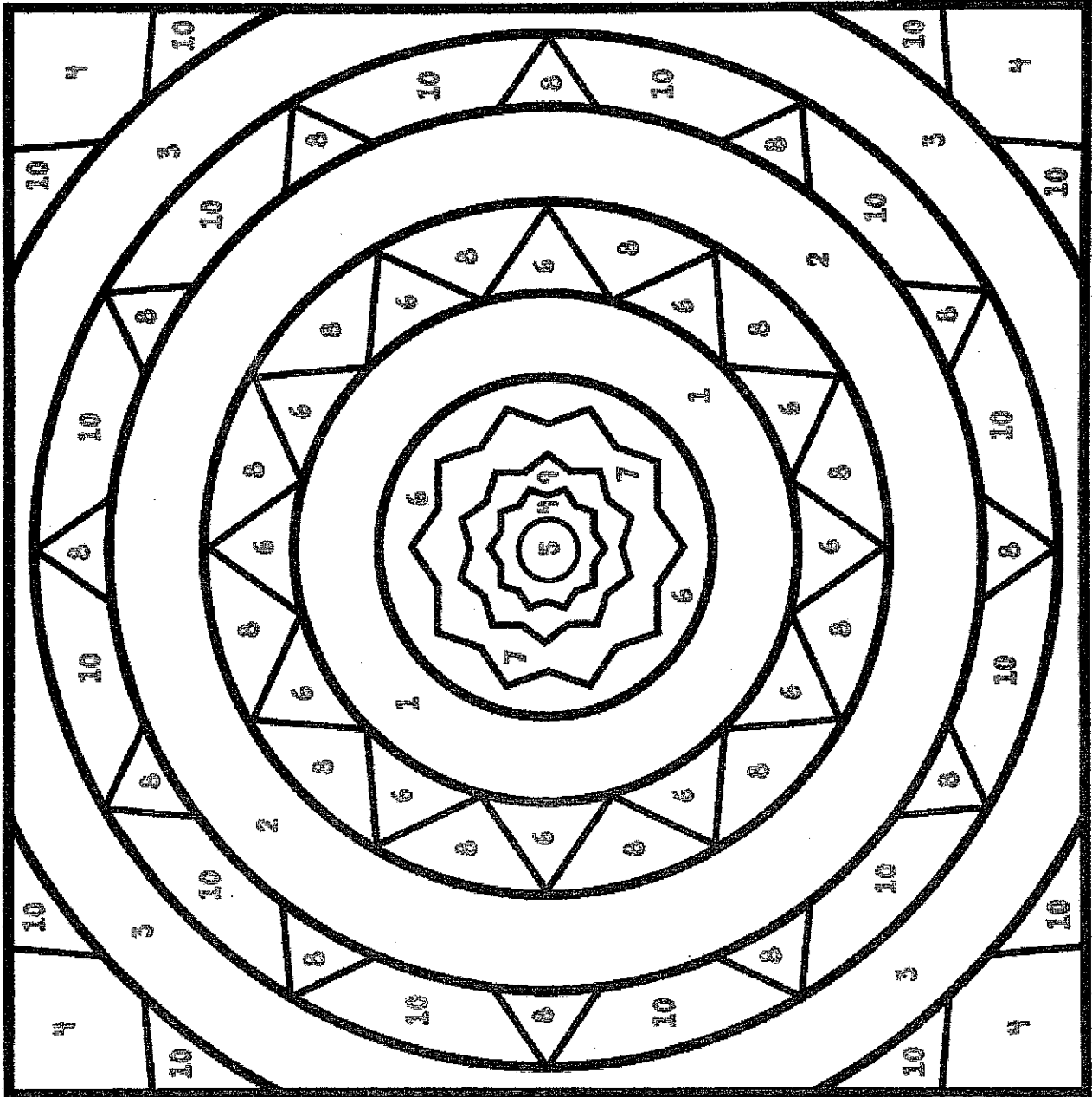
For each question there is one correct answer and a color associated with that answer. On the coloring page, each question number section should be filled in with that color!

1	An electric stove heating an iron pan is an example of _____	conduction LIGHT BLUE	convection RED	radiation GREEN
2	Thermal energy is added to four identical samples of water. What increases in each sample?	mass BLACK	density YELLOW	kinetic energy PURPLE
3	Heat transfer from water at the bottom of a pot to water at the top is an example of _____	conduction DARK BLUE	convection RED	radiation YELLOW
4	The warmth you feel sitting next to a fire is due to _____	conduction PINK	convection DARK BLUE	radiation ORANGE
5	If you place 3 spoons into hot water, one wood, one plastic, and one metal, which spoon would be most likely to transfer the heat of the water?	metal BLACK	wood PINK	plastic LIGHT GREEN
6	Warm air is pushed up by cooler air during convection because the warm air is _____	the same LIGHT GREEN	more dense LIGHT BLUE	less dense DARK GREEN
7	A balloon filled with room temperature air and then put in a sunny place expands slightly due to a rise in temperature. This is due to the molecules of air _____	moving faster LIGHT GREEN	increasing in number PURPLE	increasing in density RED
8	Sunlight heating the interior of a car on a sunny day is an example of _____	conduction ORANGE	convection RED	radiation DARK BLUE
9	The surface of a heated metal object measures 120°C. It is dropped into a bucket filled with water measuring 10°C. Which is most likely to occur in an hour?	water temp is the same LIGHT BLUE	metal temp increases PINK	equilibrium is reached YELLOW
10	The warmth you feel holding a warm cup of cocoa is an example of _____	conduction PINK	convection LIGHT GREEN	radiation DARK GREEN

Name _____

Color each numbered section (corresponds with the question with the number) with the color of the correct answer.

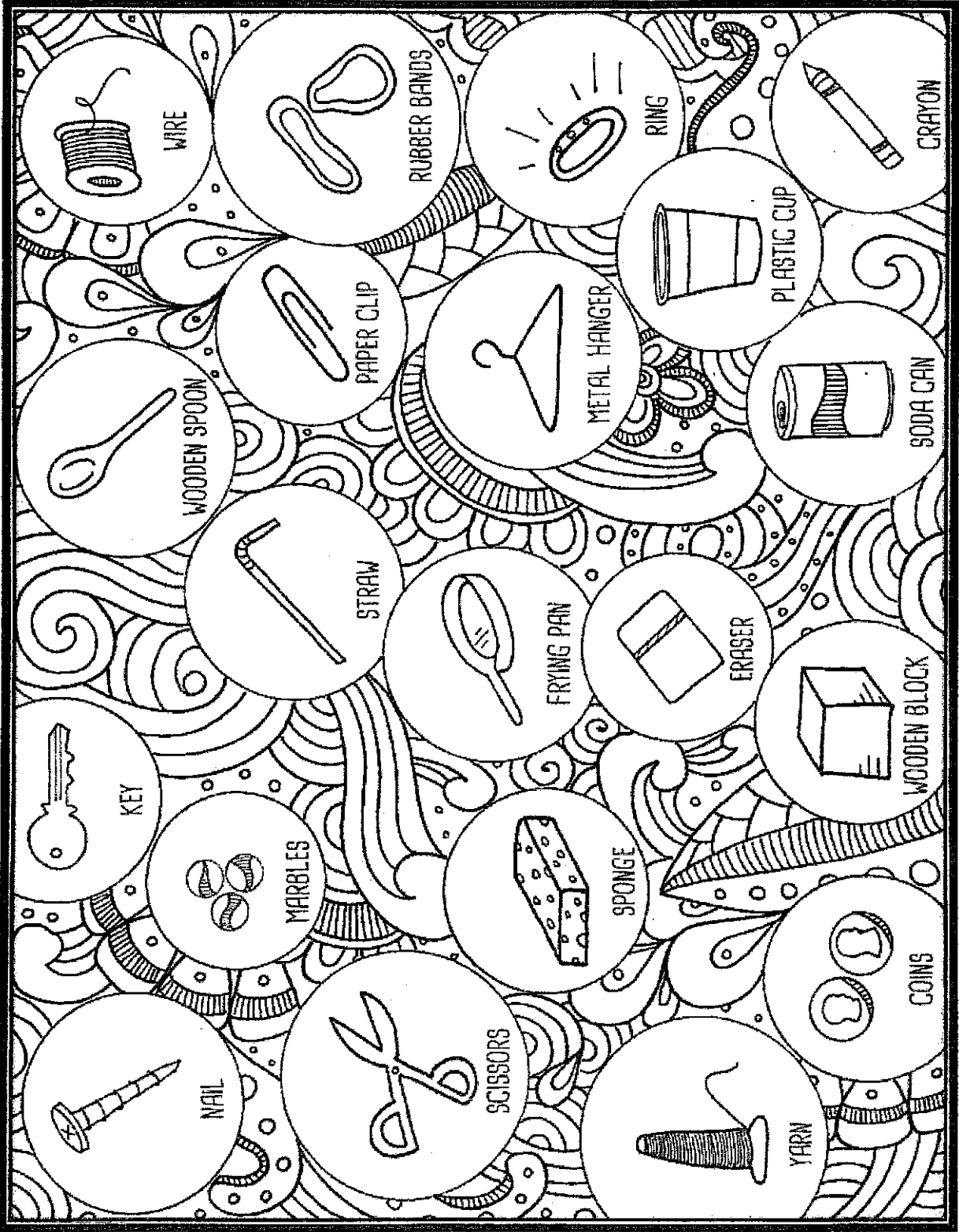
Any sections that are not numbered, you may color with your choice!

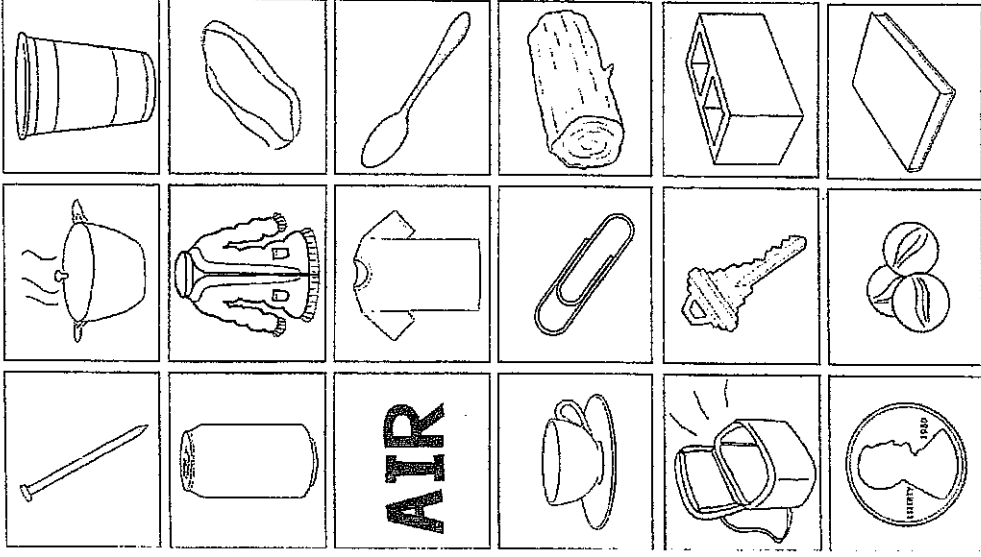


SEEK & SORT - CONDUCTORS/ INSULATORS

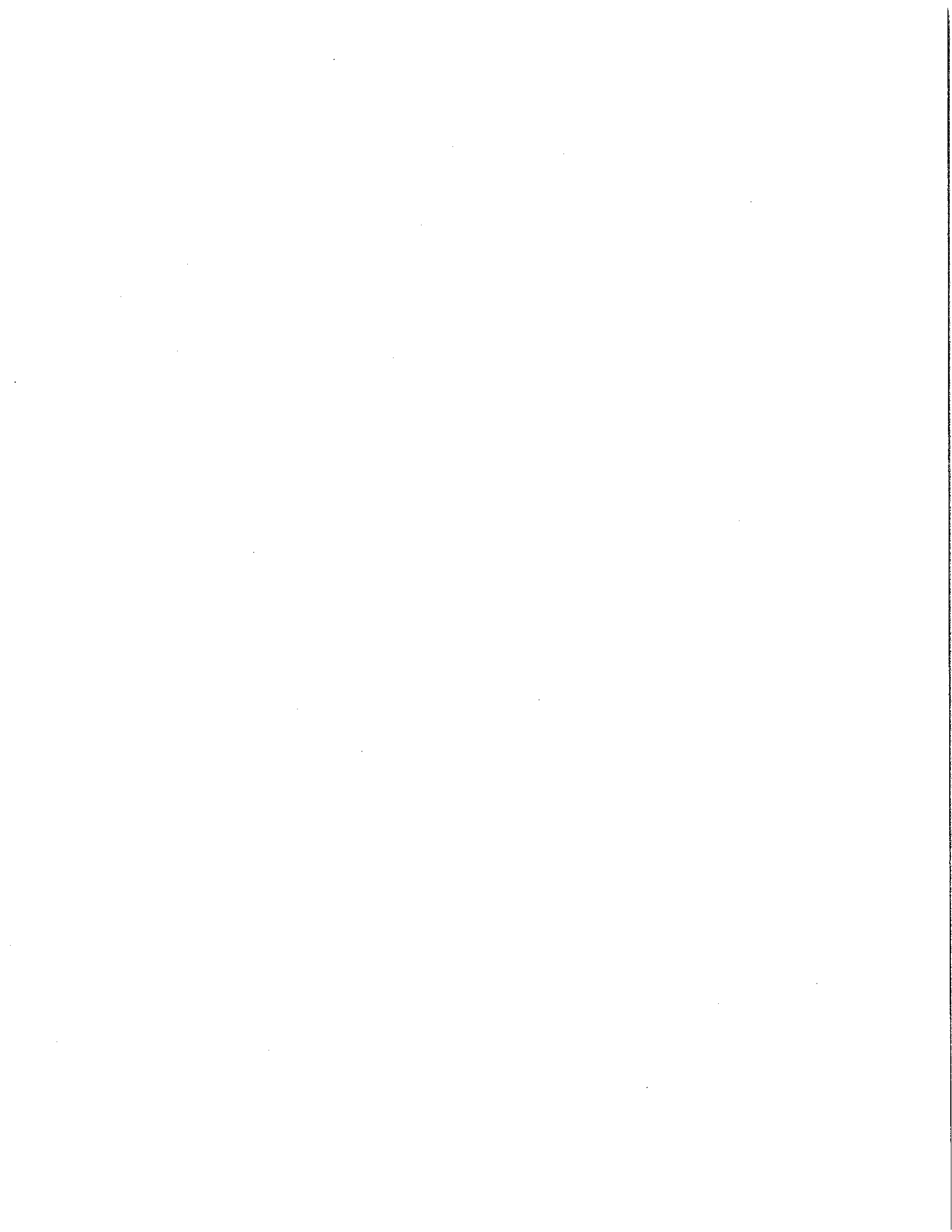
NAME _____

DIRECTIONS: SORT THE CONDUCTORS AND INSULATORS. OUTLINE THE CONDUCTORS IN RED AND THE INSULATORS IN BLUE





conductors	
insulators	



6th Grade Social Studies

Name _____

Teachers:

Lori Columbia, lori.columbia@asheboro.k12.nc.us

Office hours 10am-12 pm

Patrick Lawrence, patrick.lawrence@asheboro.k12.nc.us

Office hours 8-10 am

****If you do not have internet access, complete the rest of the pages in this packet.**

*****If you have internet access, your assignments are listed below.**

If you have computer access,

Log on to your computers and go to your school email; click on the square in the upper right corner (little dots) and go to your Google Classroom for Social Studies.

(Written work for ALL DAYS can be submitted on one Google doc to your social studies teacher or written on notebook paper.)

If you have Internet access....

Days 1-5 Assignments- Type all work in one google doc

1. Visit <https://www.cnn.com/cnn10> and watch the 10 minute news clip for each day. Writetype 4 facts that you learn from each day's news. You will do this for each day of the week. (You can also watch archived (older) news segments if you want.)
2. Visit <https://www.hannasd.org/cms/lib2/PA01001586/Centricity/Domains/80/Olympic%20Webquest.pdf>
There are 5 days for this webquest. Each day, complete the activities for that day and write/type your responses on the same paper as your CNN 10 news facts. Be specific and use support for your answers.

Days 6-10 Assignments- Put all work on same google doc from days 1-5

1. Visit <https://www.cnn.com/cnn10> and watch the 10 minute news clip for each day. Write/type 4 facts that you learn from each day's news. You will do this for each day of the week. (You can also watch archived (older) news segments if you want.)
2. Visit http://mvlanguages.org/greek_write.php. Here you will type your first and last name in the box under Greek Script Writing. What does your name look like in Greek?
3. Visit <https://www.natgeokids.com/za/discover/history/greece/10-facts-about-the-ancient-greeks/>

Here you will explore the many aspects of Greece, from culture and food to traditions and government. Think about the similarities and differences to America. Write/type one solid paragraph about the similarities and differences of Greece to America.

4. Now it's time to explore the land of Greece. Click on <https://yogoculture.com/virtual-tours> to take virtual tours of some of the beautiful locations of Greece. Click on Crete to view the Minoan civilization. Click on Ancient Olympia to see where our Olympic games began. Navigate this site and go to at least 4 locations. Jot down 4 facts from each location.
5. Who doesn't love food??? Let's explore Greek food by visiting <https://www.family-travel-scoop.com/greek-food-for-kids.html>. After you have read the descriptions of some of the most common Greek food, list 3 food items that you would love to try from Greece and 3 food items that you don't think you would enjoy. Explain your answers.

If you do not have Internet access....

Days 1-5 Assignments- Write all answers on one piece of paper.

1. Watch 10 minutes of the news (morning, lunch, or evening) each day. What was the top story the news was discussing in this time frame? Why do you think this story was important for today. Write 4 facts each day for the news segment that you watched.
2. Read the article titled "Countries of the World- Greece". Once you finish reading the article,
 - A. Circle all of the unfamiliar words. Use context clues (words nearby) to try to determine the meaning of the words.
 - B. Underline or highlight the main idea from each section of the article.
 - C. Write a short paragraph that explains the central idea of the article. Use at least two details from the article to support your response. Your paragraph should have at least 5 strong sentences.
 - D. Which sentence from the article supports the idea that historic landmarks in Athens are in danger? (A) Athens is the largest city, with over 3.7 million people crowding the metropolis. (B) The Parthenon, the temple to goddess Athena atop the Acropolis, is deteriorating due to pollution and acid rain. (C) Athens became the most powerful, and in 508 B.C., the people instituted a new system of rule by the people called democracy. (D) The games were banned by the Romans in A.D. 393, but began again in Athens in 1896.
 - E. Which section highlights the idea that Greece invented a new type of government? (A) Introduction [paragraphs 1-3] (B) "People And Culture" (C) "Government And Economy" (D) "History"
 - F. Read the section "Government And Economy." What does this section explain that other sections do not? (A) who has political power in Greece (B) how the Greeks created democracy (C) what life is like for people in Greece (D) how the economy of Greece is doing
 - G. Read the Introduction [paragraphs 1-3]. How does this section contribute to the article's main idea? (A) by explaining the overall geography and location of Greece (B) by examining the role of Mount Olympus in Greece's history (C) by highlighting how the landscape has affected Greek culture (D) by introducing the Pindus mountain range and Vikos Gorge

If you do not have Internet access....

Days 6-10 Assignments- Write all answers on the same piece of paper as days 1-5.

1. Watch 10 minutes of the news (morning, lunch, or evening) each day. What was the top story the news was discussing in this time frame? Why do you think this story was important for today. Write 4 facts each day for the news segment that you watched.
2. Read the article titled "History for Kids-Greece".
 - A. Circle any unfamiliar words and use context clues (words around the word) to try to figure out the word's meaning.
 - B. Storytelling was important to the culture of Greece. Why do you think storytelling was not always the most accurate way to keep and record history? Explain.
 - C. Based on your reading, draw a picture of Medusa and a Minotaur. Use the description in the passage to create your drawings.
 - D. Create your own Greek monster. Name your monster. Give your monster specific characteristics for its name. Is your monster good or bad? Why?
3. Based on what you have read and learned about Greece, how is Greece similar and different to America? Write a strong paragraph (at least 5 sentences) for support.
4. Ancient Greece had a warm, dry climate, as Greece does today. Most people lived by farming, fishing, and trade. Others were soldiers, scholars, scientists, and artists. Greek cities had beautiful temples with stone columns and statues, and open-air theatres where people sat to watch plays. The Greeks enjoyed being outside. For 3 days, go outside. Jot down what you see outside. What sounds do you hear? Based on your observations over these 3 days, which do you prefer- indoors or outdoors? Why do you feel this way?

Countries Of The World: Greece

By National Geographic Kids, adapted by Newsela staff

Published:04/06/2018

Greece has the longest coastline in Europe and is the southernmost country in Europe. The mainland has rugged mountains, forests and lakes. But the country is well known for the thousands of islands dotting the blue Aegean Sea to the east, the Mediterranean Sea to the south and the Ionian Sea to the west.

The country is divided into three geographical regions: the mainland, the islands and Peloponnese, the peninsula south of the mainland.

The Pindus mountain range on the mainland contains one of the world's deepest gorges, Vikos Gorge, which plunges 3,600 feet. Mount Olympus is Greece's highest mountain at 9,570 feet above sea level. Ancient Greeks believed it was the home of the gods. Mount Olympus became the first national park in Greece.

Nature

Most of the country was forested at one time. Over the centuries, the forests were cut down for firewood and lumber and to make room for farms. Today, forests can be found mainly in the Pindus and Rhodope ranges.

Greece has 10 national parks and there is an effort to protect natural and historic landmarks. Marine parks help protect the **habitats** of two of Europe's most endangered sea creatures, the loggerhead turtle and monk seal. The long coastline and clear water make Greece an **ideal** location to spot sea stars, sea anemones, sponges and seahorses hiding in the seaweed.

The Greek landscape is covered by maquis, a tangle of thorny shrubs that don't need a lot of water. These plants include fragrant herbs such as thyme, rosemary, oregano and bay and myrtle trees.

Bird-watching is popular in Greece where geese, ducks and swallows stop over during their migration from Africa to Europe.

People And Culture

Family life is a very important part of life in Greece. Children often live with their parents well into their adulthood. Greeks live long lives and it is thought that their **varied** diet of olives, olive oil, fish, chickpeas and lots of fruits and vegetables keeps them healthy.

Nearly two-thirds of the people of Greece live in large cities. Athens is the largest city, with over 3.7 million people crowding the **metropolis**. Nefos, the Greek term for smog, is a big problem in Athens. The Parthenon, the temple to goddess Athena atop the Acropolis, is deteriorating due to pollution and acid rain.

Olive trees have been cultivated in Greece for over 6,000 years. Every village has its own olive groves.

Government And Economy

Greece **abolished** its monarchy in 1975 and became a parliamentary republic. Under the new constitution, there is a president and a prime minister. The prime minister has the most power and is the leader of the party that has the most seats in the parliament. The president selects cabinet ministers who run government departments.

The parliament, called the Vouli, has only one house with 300 members who are elected every four years. Greece became part of the European Union in 1981.

History

The first great civilization in Greece was the Minoan culture on the island of Crete around 2000 B.C. Wall paintings found at the ruins of the palace Knossos show people doing backflips over a charging bull. The Minoans were conquered by the Mycenaans from the mainland in 1450 B.C.

During ancient times the country was divided into city-states, which were ruled by noblemen. The largest were Athens, Sparta, Thebes and Corinth. Each state controlled the territory around a single city. They were often at war with each other.

Athens became the most powerful, and in 508 B.C., the people instituted a new system of rule by the people called democracy. But during that time, only men could vote.

The first Olympic Games were held in the southern city of Olympia in 700 B.C. to honor Zeus, the king of the gods. Only men could compete in the events such as sprinting, long jump, discus, javelin, wrestling and chariot racing. The games were banned by the Romans in A.D. 393, but began again in Athens in 1896.

Greece was ruled by foreigners for over 2,000 years, beginning with the Romans conquering the Greeks in the 2nd century B.C. Then, after almost 400 years under Turkish rule, Greece won independence in 1829.

History for Kids-Greece

Ancient Greek Myths

Ancient Greek myths were intertwined into Greek society from the beginning. The ancient Greek myths were seen as part of their religion and one way that the ancient Greeks could worship their gods.

The ancient Greek myths were handed down from one generation to another generation. Storytellers engaged in a variety of techniques when reciting one of the ancient Greek myths to keep their listeners engaged in the storyline. Ancient Greek myths were very important and traces of them can be found on everything from walls to pottery to clothing.

What were the ancient Greek myths about?

Ancient Greek myths were stories based on their gods like Zeus, Athena, Hercules, Poseidon, and more. They usually included a monster too, like Medusa who had snakes for hair or the Minotaur which was a half-human/half-bull creature.