

The activities are color coded to match each teacher below. At the completion of each activity on the bingo card, take a picture and then text or email it to the following teachers. Also, please have a parent initial each square as the activity is completed. Each time you get a bingo, let your homeroom teacher know so your name can be added to the drawing for a gift card to a local restaurant. ALSO, PLEASE CONTACT YOUR HOMEROOM TEACHER IF YOU NEED A PRINTED COPY OF THIS BINGO CARD AND THE ACCOMPANYING WORKSHEETS.

Mrs. Ray....402-278-1497 or [jray@esu2.org](mailto:jray@esu2.org)

Mrs. Loftis...402-277-0021 or [hloftis@esu2.org](mailto:hloftis@esu2.org)

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Or to your homeroom teacher

|                                                                                                                                                                                                              |                                                                                                                                                                                                              |                                                                                                                                                                                                |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| History is in the making. Create a primary source to document this time. Record your thoughts and activities in a journal entry and take a picture or draw a picture to show how you are spending this time. | Draw a picture of a favorite scene from a book you have read. Please include a caption that lists the title, author, and a brief description of what is happening in the picture.                            | Write and mail a thank you to someone who has done something nice for you in the last few weeks.                                                                                               | Watch an episode of brain games on YouTube. Write 5 things down that you learned about the brain.                                                                                                                                                           | Make a recipe for your family. Then write down the measurements and double them.                                                                                                                                                              |
| Write and mail a letter to a friend or family member whom you haven't seen in a while.                                                                                                                       | Create a commercial to advertise the colony or country from your brochure OR create your own company or pick an existing business or product and make a commercial for it. Involve your family in making it! | Complete the muscle word search.                                                                                                                                                               | Complete the multiplication WS. Be sure to show your work, and then have a parent check it.                                                                                                                                                                 | List a cause (why) and an effect (what) relationship from a book you have read.                                                                                                                                                               |
| Read an article from <a href="https://newsela.com">newsela.com</a> and write a summary of the article.                                                                                                       | Write and mail a letter to someone who is all alone during this time of social distancing.                                                                                                                   | Complete the WS on adding mixed numbers. Be sure to show your work, and then have a parent check it.                                                                                           | Take a states and capitals quiz at <a href="https://www.purposegames.com/game/50-states-and-capitals-match-up-quiz">https://www.purposegames.com/game/50-states-and-capitals-match-up-quiz</a> Take a picture of your score and send it to Mrs. Fleischman. | Go to <a href="http://sciencenetlinks.com/afterschool-resources/all-systems-go/">http://sciencenetlinks.com/afterschool-resources/all-systems-go/</a> Launch the activity and read through the information provided. Complete the activities. |
| Read the article "Comet vs. Asteroid" and answer the questions.                                                                                                                                              | Play the math game Diffy.                                                                                                                                                                                    | Interview a grandparent or great-grandparent about a past event in history. Write down your questions and their answers.                                                                       | Write 5 sentences using a word study list from <a href="https://quizlet.com/connieja">https://quizlet.com/connieja</a> Please include which unit and week the list is from.                                                                                 | Create and write a poem on your sidewalk using chalk.                                                                                                                                                                                         |
| Complete the division WS. Be sure to show your work, and then have a parent check it.                                                                                                                        | Complete the experiment entitled "Can Jell-O Be Made with Just Warm Water Instead of Boiling Hot and Then Cold?"                                                                                             | Study Unit 1 reading vocabulary on <a href="https://quizlet.com/connieja">https://quizlet.com/connieja</a> and take a test on quizlet over them. Send a picture of your score to Mrs. Carlson. | Do a <a href="https://www.gonoodle.com">gonoodle.com</a> activity, take a picture of yourself doing it, and share with your homeroom teacher.                                                                                                               | Draw a map of your home and neighborhood.                                                                                                                                                                                                     |

Name: \_\_\_\_\_

# Adding Mixed Numbers

With Different Denominators

Step 1: Find the Least Common Denominator (LCD).

$$\begin{array}{r} 3\frac{1}{2} \\ + 2\frac{3}{8} \\ \hline \end{array} \quad \text{LCD} = 8$$

Step 2: Using the LCD, find equivalent fractions.

$$\begin{array}{r} 3\frac{1}{2} = 3\frac{4}{8} \\ + 2\frac{3}{8} = + 2\frac{3}{8} \\ \hline \end{array}$$

Step 3: Add the fractions.

$$\begin{array}{r} 3\frac{1}{2} = 3\frac{4}{8} \\ + 2\frac{3}{8} = + 2\frac{3}{8} \\ \hline \phantom{3} \frac{7}{8} \end{array}$$

Step 4: Add the whole numbers.

$$\begin{array}{r} 3\frac{1}{2} = 3\frac{4}{8} \\ + 2\frac{3}{8} = + 2\frac{3}{8} \\ \hline 5\frac{7}{8} \end{array}$$

**Solve and simplify your answer.**

a. 
$$\begin{array}{r} 5\frac{3}{4} \\ + 3\frac{1}{12} \\ \hline \end{array}$$

b. 
$$\begin{array}{r} 9\frac{3}{5} \\ + 6\frac{4}{15} \\ \hline \end{array}$$

c. 
$$\begin{array}{r} 4\frac{4}{9} \\ + 4\frac{1}{3} \\ \hline \end{array}$$

d. 
$$\begin{array}{r} 6\frac{3}{10} \\ + 1\frac{2}{5} \\ \hline \end{array}$$

e. 
$$\begin{array}{r} 8\frac{3}{7} \\ + 4\frac{1}{3} \\ \hline \end{array}$$

f. 
$$\begin{array}{r} 1\frac{5}{6} \\ + \phantom{1} \frac{1}{12} \\ \hline \end{array}$$

g. 
$$\begin{array}{r} 4\frac{3}{8} \\ + \phantom{4} \frac{3}{8} \\ \hline \end{array}$$

h. 
$$\begin{array}{r} 7\frac{3}{5} \\ + 5\frac{1}{8} \\ \hline \end{array}$$

i. 
$$\begin{array}{r} 6\frac{1}{2} \\ + 4\frac{3}{16} \\ \hline \end{array}$$

j. 
$$\begin{array}{r} 7\frac{1}{6} \\ + 2\frac{1}{3} \\ \hline \end{array}$$

k. 
$$\begin{array}{r} 3\frac{1}{2} \\ + 3\frac{5}{11} \\ \hline \end{array}$$

l. 
$$\begin{array}{r} 5\frac{1}{9} \\ + \phantom{5} \frac{3}{18} \\ \hline \end{array}$$

m. 
$$\begin{array}{r} 8\frac{3}{8} \\ + \phantom{8} \frac{1}{8} \\ \hline \end{array}$$

n. 
$$\begin{array}{r} 5\frac{5}{12} \\ + 5\frac{7}{24} \\ \hline \end{array}$$

o. 
$$\begin{array}{r} 9\frac{1}{5} \\ + 3\frac{7}{10} \\ \hline \end{array}$$

p. 
$$\begin{array}{r} 7\frac{3}{5} \\ + 6\frac{1}{4} \\ \hline \end{array}$$

# ANSWER KEY

## Adding Mixed Numbers

With Different Denominators

Step 1: Find the Least Common Denominator (LCD).

$$\begin{array}{r} 3\frac{1}{2} \\ + 2\frac{3}{8} \\ \hline \end{array} \text{LCD} = 8$$

Step 2: Using the LCD, find equivalent fractions.

$$\begin{array}{r} 3\frac{1}{2} = 3\frac{4}{8} \\ + 2\frac{3}{8} = + 2\frac{3}{8} \\ \hline \end{array}$$

Step 3: Add the fractions.

$$\begin{array}{r} 3\frac{1}{2} = 3\frac{4}{8} \\ + 2\frac{3}{8} = + 2\frac{3}{8} \\ \hline \phantom{3} \frac{7}{8} \end{array}$$

Step 4: Add the whole numbers.

$$\begin{array}{r} 3\frac{1}{2} = 3\frac{4}{8} \\ + 2\frac{3}{8} = + 2\frac{3}{8} \\ \hline 5\frac{7}{8} \end{array}$$

Solve and simplify your answer.

a. 
$$\begin{array}{r} 5\frac{3}{4} \\ + 3\frac{1}{12} \\ \hline 8\frac{10}{12} = 8\frac{5}{6} \end{array}$$

b. 
$$\begin{array}{r} 9\frac{3}{5} \\ + 6\frac{4}{15} \\ \hline 15\frac{13}{15} \end{array}$$

c. 
$$\begin{array}{r} 4\frac{4}{9} \\ + 4\frac{1}{3} \\ \hline 8\frac{7}{9} \end{array}$$

d. 
$$\begin{array}{r} 6\frac{3}{10} \\ + 1\frac{2}{5} \\ \hline 7\frac{7}{10} \end{array}$$

e. 
$$\begin{array}{r} 8\frac{3}{7} \\ + 4\frac{1}{3} \\ \hline 12\frac{16}{21} \end{array}$$

f. 
$$\begin{array}{r} 1\frac{5}{6} \\ + \frac{1}{12} \\ \hline 1\frac{11}{12} \end{array}$$

g. 
$$\begin{array}{r} 4\frac{3}{8} \\ + \frac{3}{8} \\ \hline 4\frac{6}{8} = 4\frac{3}{4} \end{array}$$

h. 
$$\begin{array}{r} 7\frac{3}{5} \\ + 5\frac{1}{8} \\ \hline 12\frac{29}{40} \end{array}$$

i. 
$$\begin{array}{r} 6\frac{1}{2} \\ + 4\frac{3}{16} \\ \hline 10\frac{11}{16} \end{array}$$

j. 
$$\begin{array}{r} 7\frac{1}{6} \\ + 2\frac{1}{3} \\ \hline 9\frac{3}{6} = 9\frac{1}{2} \end{array}$$

k. 
$$\begin{array}{r} 3\frac{1}{2} \\ + 3\frac{5}{11} \\ \hline 6\frac{21}{22} \end{array}$$

l. 
$$\begin{array}{r} 5\frac{1}{9} \\ + \frac{3}{18} \\ \hline 5\frac{5}{18} \end{array}$$

m. 
$$\begin{array}{r} 8\frac{3}{8} \\ + \frac{1}{8} \\ \hline 8\frac{4}{8} = 8\frac{1}{2} \end{array}$$

n. 
$$\begin{array}{r} 5\frac{5}{12} \\ + 5\frac{7}{24} \\ \hline 10\frac{17}{24} \end{array}$$

o. 
$$\begin{array}{r} 9\frac{1}{5} \\ + 3\frac{7}{10} \\ \hline 12\frac{9}{10} \end{array}$$

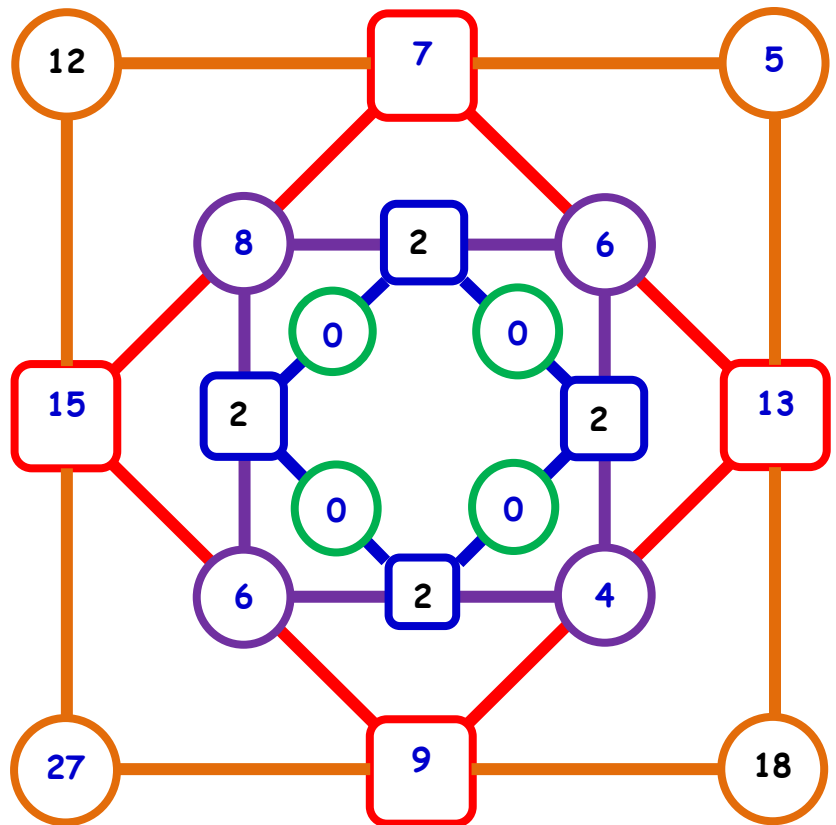
p. 
$$\begin{array}{r} 7\frac{3}{5} \\ + 6\frac{1}{4} \\ \hline 13\frac{17}{20} \end{array}$$

# Diffy!

Diffy is a fun and intriguing math game that requires subtraction, logic, and pattern recognition to win. It can be played with whole numbers, negative numbers, fractions, and money.

You can play Diffy using the document camera with the whole class, or have students complete their own Diffy games either in worksheet format or at a center with laminated wipe-off sheets. The directions are included on the worksheet.

Here is a sample game.



Visit my [TpT store](http://www.teacherspayteachers.com/Store/Rachel-Lynette) to find more literature resources as well as language arts, math, creative & critical thinking activities, and classroom management tools.

You will also find a plethora of totally free resources!

<http://www.teacherspayteachers.com/Store/Rachel-Lynette>

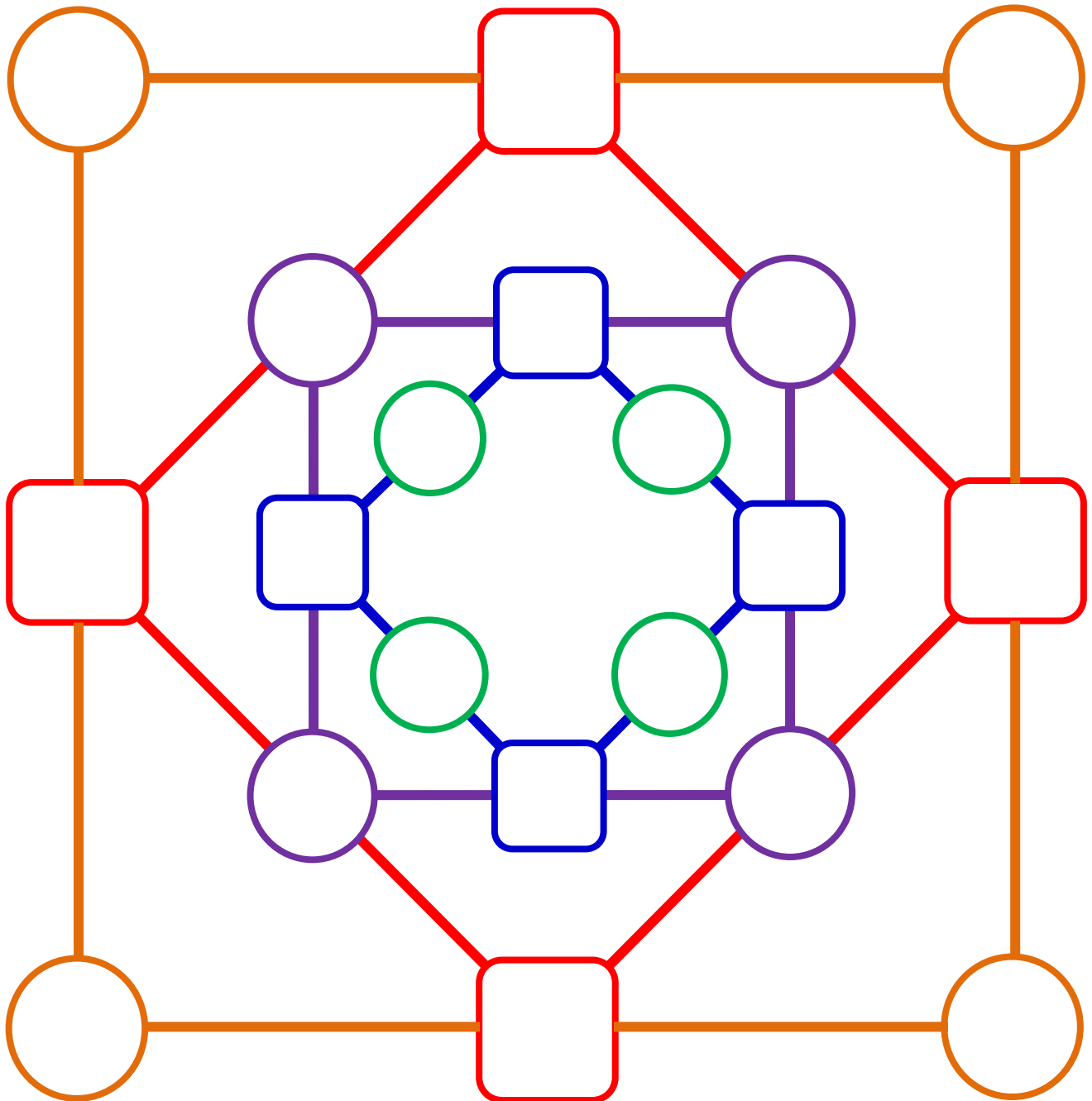
"Like" my [facebook](https://www.facebook.com/mindsinbloom) page to find out about frequent freebies, sales, and special offers.  
[www.facebook.com/mindsinbloom](https://www.facebook.com/mindsinbloom)

by  
Rachel  
Lynette



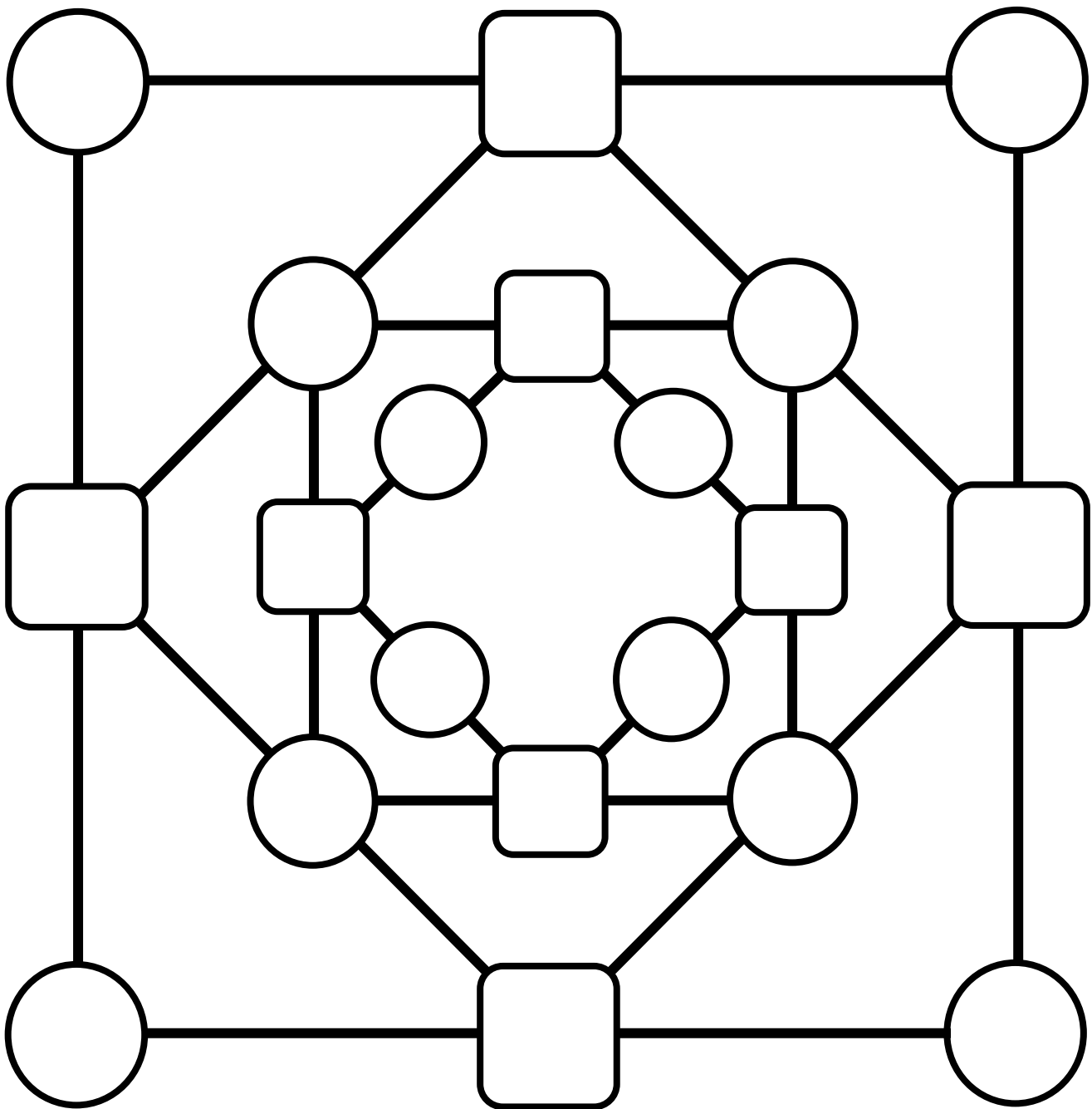
# Diffy!

Begin by writing four different numbers into the four circles on each of the outer corners. Fill in the outer squares by subtracting the smaller number from the larger number on each corner. Continue working toward the center, subtracting the corners. What patterns do you see? Can you get to the middle without a difference of zero?



# Diffy!

Begin by writing four different numbers into the four circles on each of the outer corners. Fill in the outer squares by subtracting the smaller number from the larger number on each corner. Continue working toward the center, subtracting the corners. What patterns do you see? Can you get to the middle without a difference of zero?



Name: \_\_\_\_\_

## Advanced Division

$$45 \overline{)59,504}$$

$$91 \overline{)5,390}$$

$$12 \overline{)43,484}$$

$$8 \overline{)9,658}$$

$$3 \overline{)9,346}$$

$$5 \overline{)9,022}$$

$$61 \overline{)4,485}$$

$$87 \overline{)72,166}$$

$$7 \overline{)23,262}$$

## Advanced Division

$$\begin{array}{r} 1322 \text{ r}14 \\ 45 \overline{)59,504} \end{array}$$

$$\begin{array}{r} 59 \text{ r}21 \\ 91 \overline{)5,390} \end{array}$$

$$\begin{array}{r} 3623 \text{ r}8 \\ 12 \overline{)43,484} \end{array}$$

$$\begin{array}{r} 1207 \text{ r}2 \\ 8 \overline{)9,658} \end{array}$$

$$\begin{array}{r} 3115 \text{ r}1 \\ 3 \overline{)9,346} \end{array}$$

$$\begin{array}{r} 1804 \text{ r}2 \\ 5 \overline{)9,022} \end{array}$$

$$\begin{array}{r} 73 \text{ r}32 \\ 61 \overline{)4,485} \end{array}$$

$$\begin{array}{r} 829 \text{ r}43 \\ 87 \overline{)72,166} \end{array}$$

$$\begin{array}{r} 3323 \text{ r}1 \\ 7 \overline{)23,262} \end{array}$$

## Advanced Division

This worksheet was created with the Advanced Division Worksheet Generator on Super Teacher Worksheets ([www.superteacherworksheets.com](http://www.superteacherworksheets.com)).

Worksheet Title: No Title Provided

Date Created: Mar 27, 2020

Number of Problems: 9

Remainders: Yes

Money Problems: No

Word Problems: No

Filename: CidP7

Direct Link: <https://www.superteacherworksheets.com/custom/?ad=CidP7>

Name: \_\_\_\_\_

## Multiplication

$$\begin{array}{r} 320 \\ \times 437 \\ \hline \end{array}$$

$$\begin{array}{r} 345 \\ \times 196 \\ \hline \end{array}$$

$$\begin{array}{r} 9,212 \\ \times 427 \\ \hline \end{array}$$

$$\begin{array}{r} 662 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} 1,287 \\ \times 56 \\ \hline \end{array}$$

$$\begin{array}{r} 9,278 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 1,631 \\ \times 272 \\ \hline \end{array}$$

$$\begin{array}{r} 307 \\ \times 662 \\ \hline \end{array}$$

$$\begin{array}{r} 414 \\ \times 370 \\ \hline \end{array}$$

$$\begin{array}{r} 7,631 \\ \times 541 \\ \hline \end{array}$$

$$\begin{array}{r} 823 \\ \times 247 \\ \hline \end{array}$$

$$\begin{array}{r} 592 \\ \times 114 \\ \hline \end{array}$$

# Multiplication

$$\begin{array}{r} 320 \\ \times 437 \\ \hline 139,840 \end{array}$$

$$\begin{array}{r} 345 \\ \times 196 \\ \hline 67,620 \end{array}$$

$$\begin{array}{r} 9,212 \\ \times 427 \\ \hline 3,933,524 \end{array}$$

$$\begin{array}{r} 662 \\ \times 32 \\ \hline 21,184 \end{array}$$

$$\begin{array}{r} 1,287 \\ \times 56 \\ \hline 72,072 \end{array}$$

$$\begin{array}{r} 9,278 \\ \times 10 \\ \hline 92,780 \end{array}$$

$$\begin{array}{r} 1,631 \\ \times 272 \\ \hline 443,632 \end{array}$$

$$\begin{array}{r} 307 \\ \times 662 \\ \hline 203,234 \end{array}$$

$$\begin{array}{r} 414 \\ \times 370 \\ \hline 153,180 \end{array}$$

$$\begin{array}{r} 7,631 \\ \times 541 \\ \hline 4,128,371 \end{array}$$

$$\begin{array}{r} 823 \\ \times 247 \\ \hline 203,281 \end{array}$$

$$\begin{array}{r} 592 \\ \times 114 \\ \hline 67,488 \end{array}$$

# Multiplication

This worksheet was created with the Advanced Multiplication Worksheet Generator on Super Teacher Worksheets ([www.superteacherworksheets.com](http://www.superteacherworksheets.com)).

Worksheet Title: No Title Provided

Date Created: Mar 30, 2020

Number of Problems: 12

Carrying/Regrouping: Yes

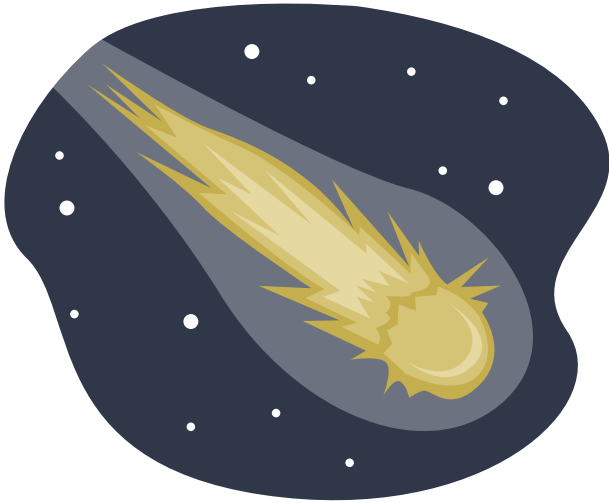
Money Problems: No

Word Problems: No

Filename: QaLpn

Direct Link: <https://www.superteacherworksheets.com/custom/?am=QaLpn>

# Comet vs. Asteroid



A **comet** is a *small solar system body*. They can be as small as 100 meters or as big as 40 kilometers across. They have such low mass that they do not become spherical, or round. Most comets have *elliptical orbits* around the sun. Some comets have 200-year orbits, and others take millions of years to complete on orbit.

Comets are distinguished by their *coma* and their *tail*. A *coma* is a thin, fuzzy atmosphere that surrounds the center of the comet. Like comets, comas are made up of ice and dust.

They form when a comet passes close to the sun. A *tail* is the trails of gas and dust that a comet leaves behind as it passes through the solar system. These trails usually leave behind solid debris of dust particles.

## Comet Vocabulary

**small solar system body:** an object in the solar system that is not a planet, dwarf planet or satellite of a planet or dwarf planet.

**coma:** a thin, fuzzy atmosphere that surrounds the center of the comet.

**tail:** the trails of gas and dust that a comet leaves behind as it passes through the solar system.

An asteroid is a small rocky body that orbits the sun. Asteroids are sometimes referred to as minor planets. Asteroids are made up of carbon, rocks, and metals. Most asteroids in our solar system have orbits that lie between Mars and Jupiter. Unlike comets, asteroids do not have a coma or a tail.

The biggest recorded asteroid is called Ceres. Ceres is 1,000 kilometers across and roughly a quarter the size of our moon.



## Asteroid Vocabulary

**minor planet:** a celestial body that moves around the sun and is not considered large enough to be a planet.

**celestial body:** a natural object that is visible in the sky.

# Reading Comprehension

1. What is the main idea of the passage in page 1?

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2. What are the differences between a comet and an asteroid? What are the similarities?

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3. In outer space there is no air resistance; all objects in motion will stay in motion. With that in mind, what do you think causes comets and asteroids to move?

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**True or False?** For questions that you mark false, re-write the statement so that it is true.

1. An asteroid has a tail. .... **True**  **False**

2. A comet has an orbit. .... **True**  **False**

3. The coma is just an optical illusion. .... **True**  **False**

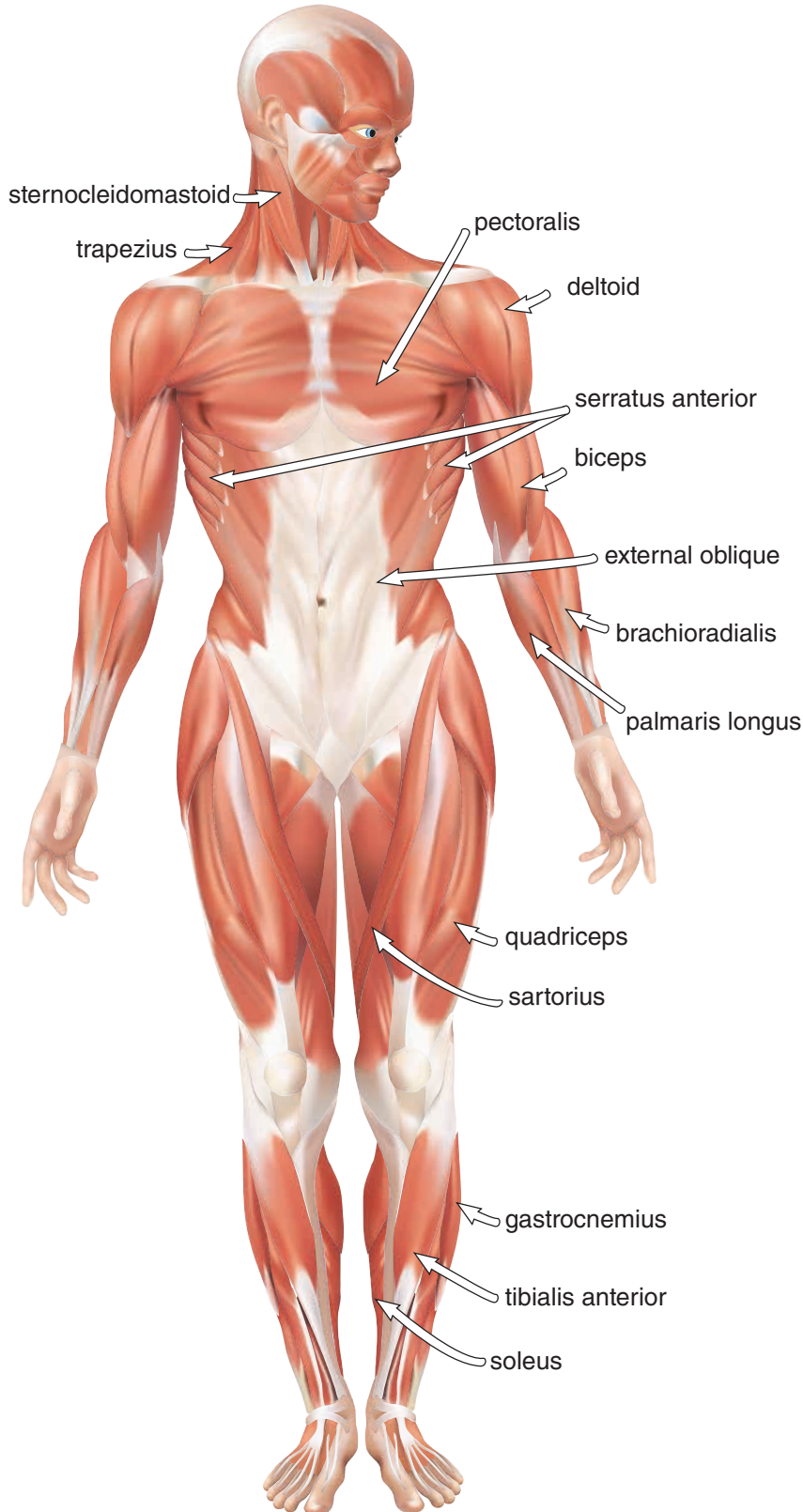
4. Some asteroids can be as big as our moon. .... **True**  **False**

5. A small solar system body is not a planet. .... **True**  **False**

6. Comets are not round. .... **True**  **False**

# How many muscles do you have?

**Answer:** You have over 600 muscles in your body! A word search with all of them would be too big, but you can try this word search with 14 muscles.



S A R T O R I U S T O D A  
D I Q J G V Z J E F H E K  
Q V U M C X O P R S J L G  
E D F G Z S D F R K D T P  
X N B I C E P S A M N O B  
T S D F L S E E T L W I P  
E T L K D F S K U Q Z D M  
R E L S O L E U S G D A P  
N R G G F R H K A S K J A  
A N S D H K F S N F I E L  
L O S H D F S H T H E I M  
O C A Q D H A S E W I N A  
B L W Z U X N E R E Y U R  
L E S Z D A J S I I Y U I  
I I W Y F X D M O L E V S  
Q D X M K L R R R F L G L  
U O X M N C U R I P A E O  
E M X C S H J W A C F G N  
Z A X C T P L J I N E H G  
Y S K N I V C O W V E P U  
V T S H B F H S E C K B S  
X O A S I J F H E U C O N  
Z I C N A E S H F E H L B  
O D S D L J E H U H J C R  
E I U C I H W E J Z C X A  
Z M K S S E U D J K S D C  
M N C J A H E U E Y C J H  
Z M X C N N D E E H U D I  
W P E C T O R A L I S K O  
A K S D E R D F I U J X R  
Z N C H R H A U S H J C A  
O L K S I E H P N C K D D  
A M Z N O H D Y E G R U I  
K S N C R Z M X N Z H E A  
M Z N X H B C K S W I P L  
M N Q O E D Y U F O H U I  
G A S T R O C N E M I U S

# Can Jell-O be Made With Just Warm Water Instead of Boiling Hot and Then Cold?

**Grade Level:** 3rd - 6th; **Type:** Food Science/ Chemistry

## Objective:

In this experiment, we will find out if making Jell-O is possible with just warm water instead of adding boiling hot water.

## Research Questions:

What is gelatin, how is it made, and what is it used for? What are the properties of a gel? What does it do? Is a gel considered to be a solid, a liquid, both, or neither?

Gelatin is a protein substance that is created by boiling connective tissues, bones, skins of animals or stem roots from plants with a similar structure. It is used in many applications such as to create the much-loved Jello, taffy, marshmallows, wines, capsules for medicine, and much more.

Gelatin has beneficial properties such as transparency, strength, flexibility, easy to digest, soluble in hot water, and great binding properties. The directions say to add boiling add--but is that really necessary? Let's find out if merely warm water will do the job.

## Materials:

2 boxes of Jell-O or gelatin mix (any flavor) 2 mixing bowls  
A stirring spatula or whisk  
Boiling hot water

Cold water  
Warm water Measuring cup Saran/plastic wrap A refrigerator Timer/Clock

An adult to help you

## Experimental Procedure:

1. In one mixing bowl, pour the packet of gelatin mix in.
2. Carefully add 1 cup of boiling hot water inside. Stir until the powder is dissolved.
3. Now slowly stir in 1 cup of cold water.
4. Cover the bowl with saran wrap.
5. In the other mixing bowl, pour the packet of gelatin mix in.
6. Carefully pour 2 cups of warm water inside and stir until the powder is dissolved. You may have to stir longer.
7. Cover the bowl with saran wrap.
8. Refrigerate both bowls until the gelatin is set in at least one of the bowls- about 4 hours.
9. After 4 hours...check on the gelatin and see which one has set and which one is firmer and has the "correct consistency."

**Terms/Concepts:** Viscosity; Gelatin/ Gel; Protein; Collagen; Hydrolysis; Freezing/Melting Point; States of Matter  
**References:**

<http://recipes.howstuffworks.com/question557.htm> <http://www.madehow.com/Volume-5/Gelatin.html>

Ward, A.G.; Courts, A. (1977). *The Science and Technology of Gelatin*. New York: Academic Press. ISBN 0127350500.

Author: Sofia PC  
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