

Welcome to 7th Grade Math!

hi



"I'm Ms. Ribeiro!"

Due: **Tuesday,**
September 8, 2020!

Use chrome extension: [Read&Write](#) to have the text read to you.



Before you continue...

Welcome to Ms. Ribeiro's 7th Grade Math class! I hope you are having a great summer. I am excited about getting to know each and every one of you. I am looking forward to a successful and productive school year! In order to begin the year on the right foot, be sure to follow the **schedule/rubric** on **slide 3** and **read directions closely**. It is important to review each slide carefully. If you do this, you'll save so much time rather than trying to figure out what needs to be done.

Daily Schedule/Self-Assess Rubric

DATES	ASSIGNMENT	POINTS	SCORE
June 22 - June 26	<ol style="list-style-type: none"> 1. Add yourselves to the correct Google Classroom. 2. Read the "Before You Continue" slide. 3. Look through the "I Need Somebody...Help!" slide and download the "virtual Nerd Mobile" App. 	1	
June 29 - July 3	<ol style="list-style-type: none"> 1. Read slide 6. Review slides 7&8. 2. Read the directions for Activity 1 pt. 1 on slide 9 and example on slide 10. 3. Complete slide 11. 	6	
July 6 - July 10	<ol style="list-style-type: none"> 1. Read slide 12. 2. Review examples and explanations on slides 13-16. 3. Read the directions for Activity 1 pt.2 on slide 17. 4. Complete slide 18 and show your work on slide 19. 	6	
July 13 - July 17	<ol style="list-style-type: none"> 1. Read slide 21. Read the directions for Activity 2 on slide 22. 2. Review examples on slides 23&24. 3. Read the tips on organizing PEMDAS on slide 25. 4. Complete slide 26 and show your work on slide 27. 	6	
July 18 - July 31	<ol style="list-style-type: none"> 1. Read slide 29. Read the directions for Activity 3 on slide 30. 2. Review example on slides 31. 3. Complete slide 32 and show your work on slides 33&34. 	10	
August 3 - August 7	<ol style="list-style-type: none"> 1. Read slide 36. Read the directions for Activity 4 on slide 37. 2. Review explanations and examples on slides 38&39. 3. Complete slide 40 and show your work on slides 41&42. 	6	
TOTAL	Remember this will count as an ASSESSMENT grade.	35	

Use chrome extension: Read&Write to have the text read to you.

I Need Somebody... HELP!

Directions: Explore the following websites to help you while you are feeling stuck!

Useful Math Websites:

1. www.khanacademy.org
2. www.funbrain.com
3. www.aaamath.com
4. www.math.com
5. www.mathisfun.com
6. <https://www.mathantics.com/>
7. <https://www.calculatorso.com>

Useful Math Apps:

1. “Virtual Nerd Mobile”



Activity 1

All About
Decimals!

Use chrome extension: [Read&Write](#) to have the text read to you.



Read Me!

You will view the videos on [slides 7&8](#) and examples.

Embedded in the document you will see a [shareable link](#) incase the video does not work.

In addition, explore more about **rounding numbers** and **place value** on the link below ["More Info."](#)

[Complete slide 11.](#)

Happy Learning!

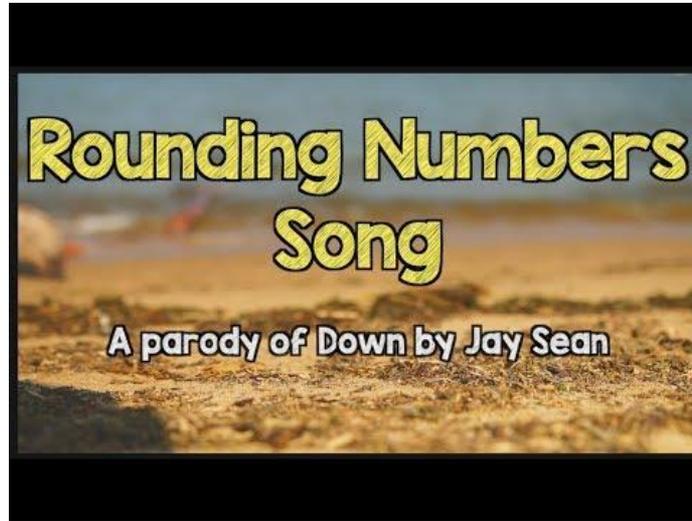
Use chrome extension: [Read&Write](#) to have the text read to you.

Let's Round Numbers

Rounding means making a number simpler but keeping its value close to what it was.

Shareable Link:

https://www.youtube.com/watch?v=VQa8gT5lvF0&feature=emb_logo



More info.:

<https://www.mathsisfun.com/rounding-numbers.html>

Must be in **present mode** to view the video!

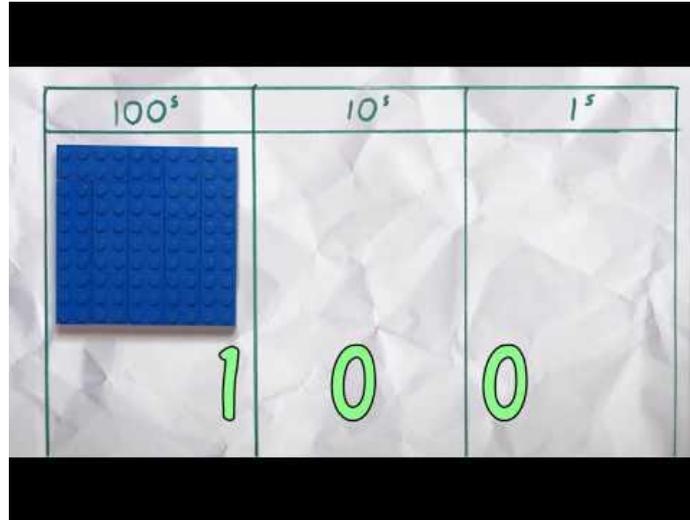
Use chrome extension: [Read&Write](#) to have the text read to you.

Let's Place Value

The **value** of where a digit is in the number.

Shareable Link:

https://www.youtube.com/watch?v=fshyCNqHlbw&feature=emb_title



More info.:

<https://www.mathsisfun.com/rounding-numbers.html>

Must be in **present mode** to view the video!

Use chrome extension: Read&Write to have the text read to you.



Directions for Activity 1 pt.1

1. Identify the **place value** of the underlined digit.
2. **Highlight** the number next on the right hand to the underlined digit.
3. **Round** the number to the underlined place value.

Note: If the highlighted number is **5 or more** the underlined number goes **UP** 1 digit. If the highlighted number is **4 or less** the underlined number **stays the same**. All numbers after the underlined digit become **zero(0)** once you round.

Use chrome extension: [Read&Write](#) to have the text read to you.

Example#1: Rounding Numbers

1) $55\underline{3}1.33$

Place Value: Hundreds

Rounded: 5,500

2) $6\underline{3}5.6$

Place Value: Tens

Rounded: 640

3) $534.9\underline{8}9$

Place Value: Hundredths

Rounded: 534.99

Directions: View the following video and example.



Shareable Link: https://www.youtube.com/watch?time_continue=76&v=47IajakFQIQ&feature=emb_logo

Use chrome extension: [Read&Write](#) to have the text read to you.

Your Turn!

Directions: Identify the **place value** of the underlined digit. **Highlight** the number next on the right hand to the underlined digit. **Round** the number to the underlined place value.

1. 6,345.99

Place Value:

Rounded:

2. 598.32

Place Value:

Rounded:

3. 68

Place Value:

Rounded:

4. 128.392

Place Value:

Rounded:

5. 6,342.0001

Place Value:

Rounded:

6. 299

Place Value:

Rounded:

Use chrome extension: [Read&Write](#) to have the text read to you.



Read Me!

You will view the videos on [slides 13-16](#) and examples.

Embedded in the document you will see a [shareable link](#) incase the video does not work.

In addition, explore more about **adding, subtracting, multiplying,** and **dividing decimals** on the link below ["More Info."](#)

[Complete slides 18-19.](#)

Happy Learning!

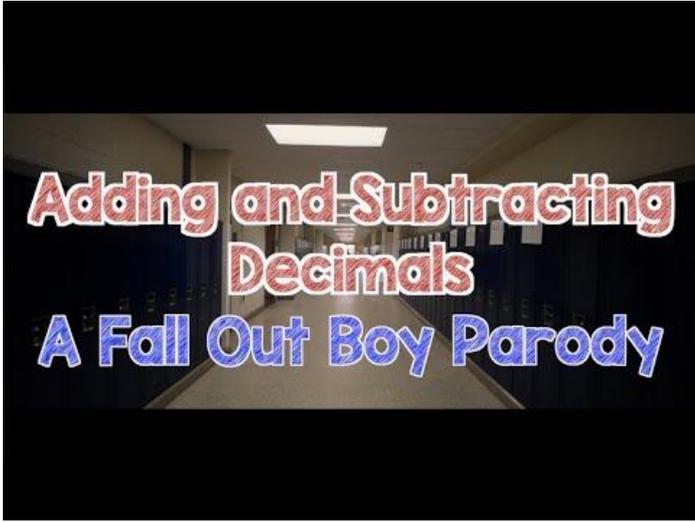
Use chrome extension: [Read&Write](#) to have the text read to you.

Let's Add Decimals

Write down the numbers, one under the other, with the **decimal points lined up**. Put in **zeros** so the numbers have the same length. Then add using column addition, remembering to put the decimal point in the answer.

Shareable Link:

https://www.youtube.com/watch?v=dlotpOS8NFA&feature=emb_logo



**Adding and Subtracting
Decimals**
A Fall Out Boy Parody

More info.:

<https://www.mathsisfun.com/adding-decimals.html>

Must be in **present mode** to view the video!

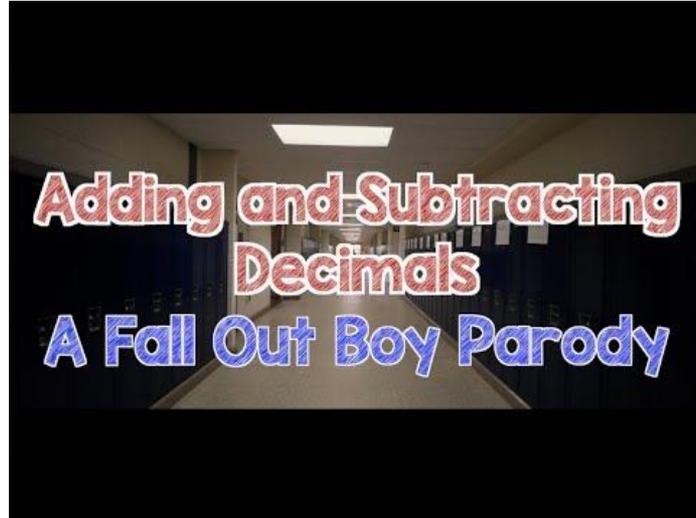
Use chrome extension: [Read&Write](#) to have the text read to you.

Let's Subtract Decimals

Write down the numbers, one under the other, with the decimal points lined up. Put in zeros so the numbers have the same length. Then subtract using column subtraction, remembering to put the decimal point in the answer.

Shareable Link:

https://www.youtube.com/watch?v=dlotpOS8NFA&feature=emb_logo



Adding and Subtracting
Decimals
A Fall Out Boy Parody

More info.:

<https://www.mathsisfun.com/adding-decimals.html>

Must be in **present mode** to view the video!

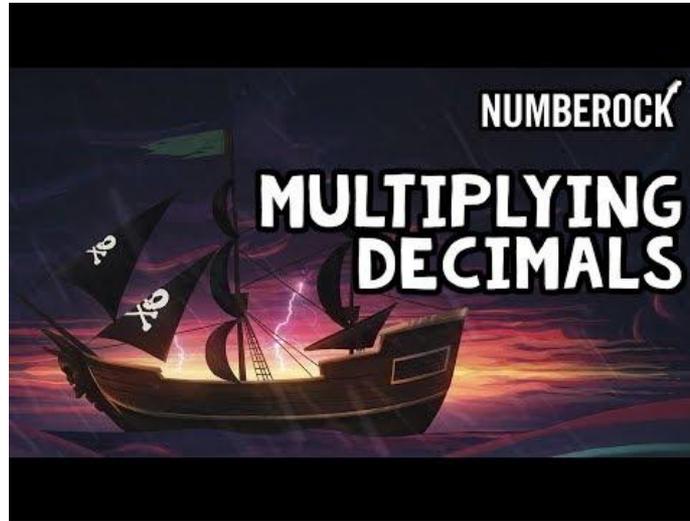
Use chrome extension: [Read&Write](#) to have the text read to you.

Let's Multiply Decimals

Rounding means making a number simpler but keeping its value close to what it was.

Shareable Link:

https://www.youtube.com/watch?v=nHg4RVqQ12E&feature=emb_err_woyt



More info.:

<https://www.mathsisfun.com/multiplying-decimals.html>

Must be in **present mode** to view the video!

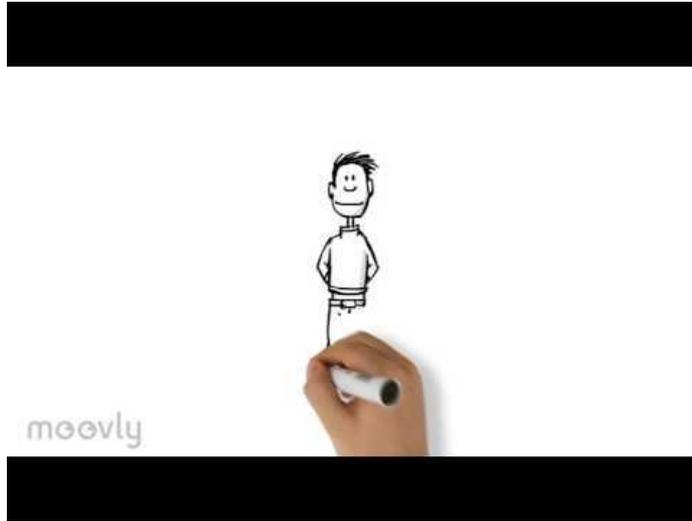
Use chrome extension: [Read&Write](#) to have the text read to you.

Let's Divide Decimals

If the divisor is not a whole number, **move decimal point to right** to make it a whole number and move decimal point in dividend the same number of places. Divide as usual. Keep dividing until the answer terminates or repeats.

Shareable Link:

https://www.youtube.com/watch?v=AfuOpl4Z_A&feature=emb_logo



More info.:

<https://www.mathsisfun.com/dividing-decimals.htm>

Must be in **present mode** to view the video!

Use chrome extension: [Read&Write](#) to have the text read to you.



Directions for Activity 1 pt.2

1. Simplify the expression given.
2. **Highlight** your final answer.
3. Show all your work.
 - a. **How?!** You can **type it** or **insert a slide with a picture of your work on paper.**



Use chrome extension: [Read&Write](#) to have the text read to you.

Your Turn!

Directions: Simplify the expression given. **Highlight** your final answer. Show all your work. **How?!** You can **type it** or **insert a slide with a picture of your work on paper**.

1) $5.3 + 1.54 =$

2) $17.35 + 33.5 =$

3) $7.3 - 3.55 =$

4) $7.31 \div 5.15 =$

5) $5.3 \cdot 5.3 =$

6) $15.3 \cdot 7.1 =$

Use chrome extension: [Read&Write](#) to have the text read to you.

Show Your Work Here

You can **type it below** or **insert a picture of your work on paper** and delete the problems below.

SHOW YOUR WORK DOES NOT MEAN JUST THE ANSWER! NO WORK=NO CREDIT

1) $5.3 + 1.54 =$

2) $17.35 + 33.5 =$

3) $7.3 - 3.55 =$

4) $7.31 \div 5.15 =$

5) $5.3 \cdot 5.3 =$

6) $15.3 \cdot 7.1 =$

Activity 2

Order of

Operations!

(a.k.a. PEMDAS)



Use chrome extension: [Read&Write](#) to have the text read to you.



Read Me!

You will view the video on [slide 23](#) and examples.

Embedded in the document you will see a [shareable link](#) incase the video does not work.

In addition, explore more about **order of operations (a.k.a. PEMDAS)** from the YouTube videos.

[Complete slides 26-27.](#)

Happy Learning!

Use chrome extension: [Read&Write](#) to have the text read to you.



Directions for Activity 2

1. Simplify the expression given by following the Order of Operations (**PEMDAS**).
2. **Highlight** your final answer.

Remember:

Please - **P**arenthesis

Excuse - **E**xponents

My Dear - **M**ultiplication or **D**ivision

(whichever appears first from left to right)

Aunt Sally - **A**ddition or **S**ubtraction

(whichever appears first from left to right)

Use chrome extension: [Read&Write](#) to have the text read to you.

Example#1: Order of Operations

P	Parentheses	<p><i>Example</i> $9^2 \div 2 + 14 \times (11-2) - 15$</p> <p>Do what is in the parentheses first.</p> $9^2 \div 2 + 14 \times (11-2) - 15$ $9^2 \div 2 + 14 \times 9 - 15$
E	Exponents	<p>Complete any exponent operations.</p> $9^2 \div 2 + 14 \times (11-2) - 15$ $9^2 \div 2 + 14 \times 9 - 15$ $81 \div 2 + 14 \times 9 - 15$
M	Multiplication	<p>Complete any multiplication or division; whichever comes first.</p> $9^2 \div 2 + 14 \times (11-2) - 15$ $9^2 \div 2 + 14 \times 9 - 15$ $81 \div 2 + 14 \times 9 - 15$ ← Division comes first in this example. $27 + 14 \times 9 - 15$ ← Then, complete the multiplication. $27 + 126 - 15$
D	Division	
A	Addition	<p>Complete any addition or subtraction; whichever comes first.</p> $9^2 \div 2 + 14 \times (11-2) - 15$ $9^2 \div 2 + 14 \times 9 - 15$ $81 \div 2 + 14 \times 9 - 15$ $27 + 14 \times 9 - 15$ $27 + 126 - 15$ ← Addition comes first in this example. $153 - 15$ ← Lastly, subtract.
S	Subtraction	<p>153 - 15</p> <p>138 is the final answer!</p> <p><small>© Jillian Nachtrieb</small></p>

Directions: View the following video and example.



Shareable Link: https://www.youtube.com/watch?v=ZzeDWFhYv3E&feature=emb_err_woyt

Example#2: Order of Operations

Directions: View the following example.

$$(10 - 2) - 4 \div 2 \cdot 2$$

Step One: P. Simplify the numerical expression within the parenthesis.

$$(10 - 2) - 4 \div 2 \cdot 2$$

$$\begin{array}{c} \backslash / \\ 8 - 4 \div 2 \cdot 2 \end{array}$$

Step Two: There are no more parenthesis to simplify. Therefore, place a checkmark next to P.

Step Three: E. There are no exponents in this expression to simplify. Therefore, place a checkmark next to E.

Step Four: MD. There is multiplication and division in this expression. We solve whichever appears first. In this case, division appears before multiplication. So, we first divide and then multiply. When finished checkmark MD.

$$\begin{array}{c} 8 - 4 \div 2 \cdot 2 \\ \backslash / \\ 8 - 2 \cdot 2 \\ \backslash / \\ 8 - 4 \end{array}$$

Step Five: AS. Solve Addition or Subtraction, whichever appears first. Then, checkmark AS.

$$\begin{array}{c} 8 - 4 \\ \backslash / \\ 4 \end{array}$$

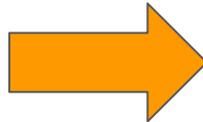
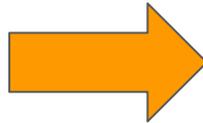
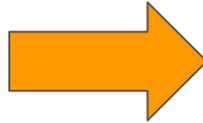
Step Six: Box or highlight your final answer.

Organizing your PEMDAS

Directions: View the following tip to organize your **PEMDAS**.

Keep track of
PEMDAS on the
side.

Place a
checkmark
after you've
completed
each step.



P: ✓

E: ✓

MD: ✓

AS: ✓

Use chrome extension: [Read&Write](#) to have the text read to you.

Your Turn!

Directions: Simplify the expression given. **Highlight** your final answer. Show all your work. **How?!** You can **type it** or **insert a slide with a picture of your work on paper**.

1) $(1 + 7) \cdot 3 =$

2) $(40 \div 5) - 7 + 2 =$

3) $45 \div 5 + 36 \div 4 =$

4) $42 \div 6 \cdot 2 - 9 =$

5) $35 \div 7(2) =$

6) $3 \cdot 6 - (9 - 8)^3 =$

Use chrome extension: [Read&Write](#) to have the text read to you.

Show Your Work Here

You can **type it below** or **insert a picture of your work on paper** and delete the problems below.

SHOW YOUR WORK DOES NOT MEAN JUST THE ANSWER! NO WORK=NO CREDIT

1) $(1 + 7) \cdot 3$

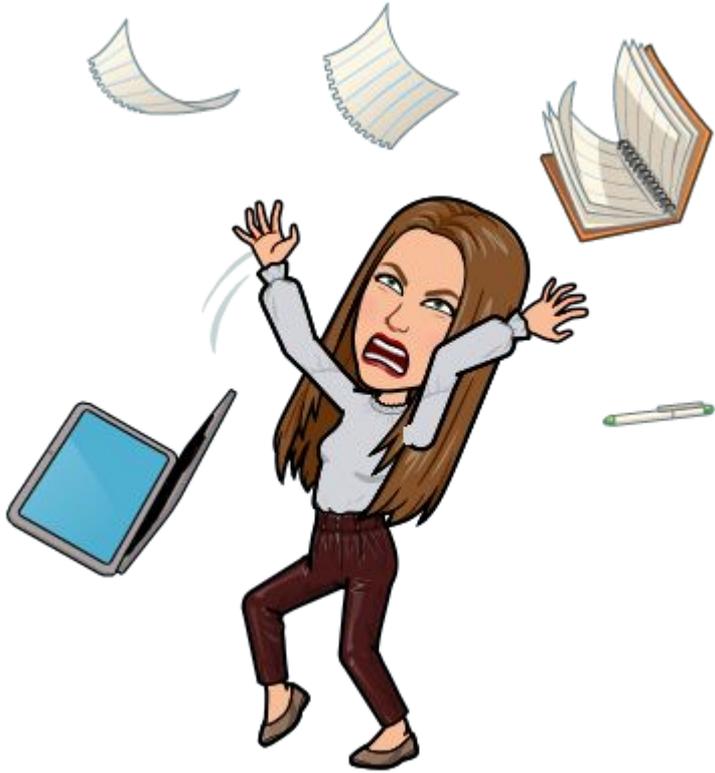
2) $(40 \div 5) - 7 + 2$

3) $45 \div 5 + 36 \div 4$

4) $42 \div 6 \cdot 2 - 9$

5) $35 \div 7(2)$

6) $3 \cdot 6 - (9 - 8)^3$



Activity 3

All About Integers

Use chrome extension: [Read&Write](#) to have the text read to you.



Read Me!

You will view the videos on [slide 22](#).

Embedded in the document you will see a [shareable link](#) incase the video does not work.

In addition, explore more about **adding** and **subtracting integers** on the link below ["More Info."](#)

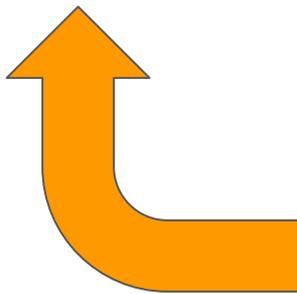
[Complete slides 32-34.](#)

Happy Learning!

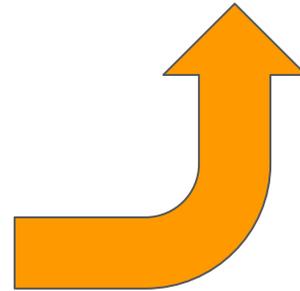
Use chrome extension: [Read&Write](#) to have the text read to you.

Directions for Activity 3 STOP!

1. Simplify the expression given.
2. Draw a number line to show your work.
 - a. **How?!** You can draw it by going to: Insert, Line, etc. or insert a picture of your work on paper.
3. **Highlight** your final answer.



PAY ATTENTION



Use chrome extension: [Read&Write](#) to have the text read to you.

Example#1: Adding & Subtracting Integers

Directions: View the following video and example.

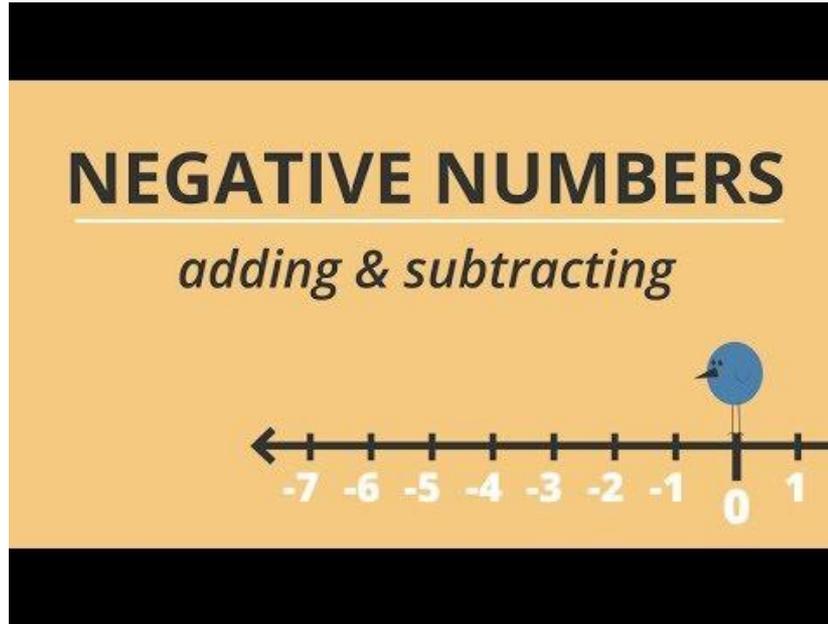
Add and Subtract Rational Numbers

• Adding :

- When the signs are the same, add the integers and keep the same sign.
- When the signs are different, subtract the integers and keep the sign of the integer with the greatest absolute value.

• Subtracting :

- Keep the first number the same.
- Change the subtraction sign to addition.
- Change the second number to its opposite.
- Follow the rules for addition.



More info.:

<https://www.mathsisfun.com/whole-numbers.htm>

!

Shareable Link: https://www.youtube.com/watch?v=DBSviXhkubg&feature=emb_logo

Use chrome extension: [Read&Write](#) to have the text read to you.

Your Turn!

Directions: Simplify the expression given. Draw a number line to show your work. **How?!** You can **draw it by going to: Insert, Line, etc.** or **insert a picture of your work on paper.** **Highlight** your final answer.

1) $9 + 16 =$

2) $(-23) + -5 =$

3) $5 + (-4) + 8 =$

4) $18 + (-26) =$

5) $-3 + 10 + (-5) =$

6) $-10 + 12 =$

7) $-3 - 4 =$

8) $-15 - (-12) =$

9) $9 - 16 =$

10) $5 - (-2) =$

Use chrome extension: [Read&Write](#) to have the text read to you.

Show Your Work Here

You can **type it below** or **insert a picture of your work on paper** and delete the problems below.

SHOW YOUR WORK DOES NOT MEAN JUST THE ANSWER! NO WORK=NO CREDIT

1) $9 + 16 =$

2) $(-23) + -5 =$

3) $5 + (-4) + 8 =$

4) $18 + (-26) =$

5) $-3 + 10 + (-5) =$

Use chrome extension: [Read&Write](#) to have the text read to you.

Show Your Work Here

You can **type it below** or **insert a picture of your work on paper** and delete the problems below.

SHOW YOUR WORK DOES NOT MEAN JUST THE ANSWER! NO WORK=NO CREDIT

$$6) \quad -10 + 12 =$$

$$7) \quad -3 - 4 =$$

$$8) \quad -15 - (-12) =$$

$$9) \quad 9 - 16 =$$

$$10) \quad 5 - (-2) =$$



Activity 4

All About

Expressions

Use chrome extension: [Read&Write](#) to have the text read to you.



Read Me!

You will view the videos on [slide 39](#) and examples.

Embedded in the document you will see a [shareable link](#) incase the video does not work.

In addition, explore more about **expressions** from the YouTube videos.

[Complete slides 40-42.](#)

Happy Learning!

Use chrome extension: [Read&Write](#) to have the text read to you.

Directions for Activity 4 STOP!

1. Write an expression for the given scenario.
2. *If possible*, simplify.
3. **Highlight** your final answer.



Use chrome extension: [Read&Write](#) to have the text read to you.

Let's Talk About Expressions

WORDS	SYMBOLS
<p>m is greater than 8.</p> <p>r is less than - 4.</p> <p>t is greater than or equal to 6.</p> <p>y is less than or equal to 2.</p>	<p>$m > 8$</p> <p>$r < -4$</p> <p>$t \geq 6$</p> <p>$y \leq 2$</p>

Use chrome extension: Read&Write to have the text read to you.

Example#1: Let's Write Expressions

Directions: View the following videos and example.

WORDS	EXPRESSION
Two times a number is greater than 10.	$2n > 10$
Three less than a number is less than or equal to 7.	$n - 3 \leq 7$

HOW TO TRANSLATE WORDS INTO EXPRESSIONS

Half a number decreased by twelve Three times the difference of a number and one

$$\frac{x}{2} - 12 \quad | \quad 3(x-1)$$

Shareable Link:
https://www.youtube.com/watch?v=KmuWR_LriQU

Math Videos

A used book store sells hardcover books for \$2.50 and paperback for \$.50. Write an expression for the cost of buying h hardcover books and p paperback books.

Shareable Link:
https://www.youtube.com/watch?v=4G2VchWILwI&feature=emb_logo

Use chrome extension: [Read&Write](#) to have the text read to you.

Your Turn!

Directions: Write an expression for the given scenario. *If possible, simplify.* **Highlight** your final answer. Show all your work. **How?!** You can **type it** or **insert a slide with a picture of your work on paper**.

1) Five times a number is greater than 25.

2) The sum of a number and 6 is at least 15.

3) 24 divided by some number is less than 7.

4) Five dollars less than two times Chris' pay is at most \$124.

5) In Ohio, you can get your license when you turn 16. Write an inequality to show the age of all drivers in Ohio

6) Suppose a DVD costs \$19 and a CD costs \$14. Write an inequality to find how many CDs you can buy along with one DVD if you have \$65 to spend.

Use chrome extension: [Read&Write](#) to have the text read to you.

Show Your Work Here

You can **type it below next to answer** or **insert a picture of your work on paper** and delete the problems below.

SHOW YOUR WORK DOES NOT MEAN JUST THE ANSWER! NO WORK=NO CREDIT

1) Five times a number is greater than 25.

Answer:

2) The sum of a number and 6 is at least 15.

Answer:

3) 24 divided by some number is less than 7.

Answer:

Use chrome extension: [Read&Write](#) to have the text read to you.

Show Your Work Here

You can type it below next to **answer** or insert a picture of your work on paper and delete the problems below.

SHOW YOUR WORK DOES NOT MEAN JUST THE ANSWER! NO WORK=NO CREDIT

4) Five dollars less than two times Chris' pay is at most \$124.

Answer:

5) In Ohio, you can get your license when you turn 16. Write an inequality to show the age of all drivers in Ohio

Answer:

6) Suppose a DVD costs \$19 and a CD costs \$14. Write an inequality to find how many CDs you can buy along with one DVD if you have \$65 to spend.

Answer:



Use chrome extension: [Read&Write](#) to have the text read to you.



Get Ready to Grade Yourself!

On the **next** slide, be sure to assess yourself using the [schedule/rubric](#)!
YOU MUST FOLLOW ALL DIRECTIONS AND SHOW ALL YOUR WORK.

NO WORK = NO CREDIT

REMEMBER you can use the [schedule/rubric](#) as a way to check which activity need to be completed.

Due on
Tuesday,
September 8, 2020!

Daily Schedule/Self-Assess Rubric

DATES	ASSIGNMENT	POINTS	SCORE
June 22 - June 26	<ol style="list-style-type: none"> Add yourselves to the correct Google Classroom. Read the "Before You Continue" slide. Look through the "I Need Somebody...Help!" slide and download the "virtual Nerd Mobile" App. 	1	
June 29 - July 3	<ol style="list-style-type: none"> Read slide 5. Review slides 6&7. Read the directions for Activity 1 pt. 1 on slide 8 and example on slide 9. Complete slide 10. 	6	
July 6 - July 10	<ol style="list-style-type: none"> Read slide 11. Review examples and explanations on slides 12-15. Read the directions for Activity 1 pt.2 on slide 16. Complete slide 17 and show your work on slide 18. 	6	
July 13 - July 17	<ol style="list-style-type: none"> Read slide 20. Read the directions for Activity 2 on slide 21. Review examples on slides 22&23. Read the tips on organizing PEMDAS on slide 24. Complete slide 25 and show your work on slide 26. 	6	
July 18 - July 31	<ol style="list-style-type: none"> Read slide 28. Read the directions for Activity 3 on slide 29. Review example on slides 30. Complete slide 31 and show your work on slides 32&33. 	12	
August 3 - August 7	<ol style="list-style-type: none"> Read slide 35. Read the directions for Activity 4 on slide 36. Review explanations and examples on slides 37&38. Complete slide 39 and show your work on slides 40&41. 	6	
TOTAL	Remember this will count as an ASSESSMENT grade.	37	