

Grade 6
Math Remote Learning Assignments
Week 2: March 30th - April 3rd

Day	Assignments
Monday 3/30/2020	<p><u>Week 2 Day 1</u> Part A: Watch Video & Guided Practice Part B: Solve problems Independently following the SMP Part C: Complete the Exit Ticket using this Illuminate link Part D: Fluency Practice</p>
Tuesday 3/31/2020	<p><u>Week 2 Day 2</u> Part A: Watch Video & Guided Practice Part B: Solve problems Independently following the SMP Part C: Complete the Exit Ticket using this Illuminate link Part D: Fluency Practice</p>
Wednesday 4/1/2020	<p><u>Week 2 Day 3</u> Part A: Watch Video & Guided Practice Part B: Solve problems Independently following the SMP Part C: Complete the Exit Ticket using this Illuminate link Part D: Fluency Practice</p>
Thursday 4/2/2020	<p><u>Week 2 Day 4</u> Part A: Watch Video & Guided Practice Part B: Solve problems Independently following the SMP Part C: Complete the Exit Ticket using this Illuminate link Part D: Fluency Practice</p>
Friday 4/3/2020	<p>Flex Day - review your work from the week and catch up if necessary. No illuminate submission - Happy Friday!</p>

**You must know your ID number in order to submit your answers in Illuminate. If you do not know your ID number, please let your teacher know and they can help you.*

Grade 6 Week 2 Day 1 Assignment

Date: March 30, 2020

Common Core Standard: 6.EE.4

Objective: SWBAT identify and explain when two expressions are equivalent

Lesson At-A-Glance for Today

- A. Watch Video, look through exemplar (about 6 mins)
- B. Solve problems independently following the SMP (about 7 mins)
- C. Complete the exit tickets (about 6 mins)
- D. Log onto IXL LINK (about 15 mins)

Part A: Guided Practice - Watch the teacher mini lesson video to follow along to complete the guided practice problem below.

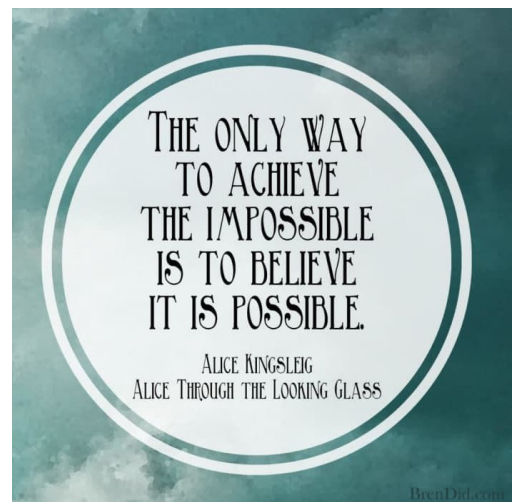
[Watch Teacher Mini-Lesson Video](#)

Guided Practice Question: Julia, Enrique, Justin and Catelyn are using the distributive property to simplify $3(x + 2)$. Which student correctly used the distributive property to create equivalent expressions?

Julia $3(x + 2) = 3x + 2$	Enrique $3(x + 2) = 2x + 6$
Justin $3(x + 2) = 6 + 3x$	Catelyn $3(x + 2) = 2x + 2$

Strategic Math Plan:

1. Read and Interpret the Question
2. Make a Plan
3. Solve
4. Check your work



PART B: Independent Practice - Complete the following problems below using the SMP. Additional Video Resources: [Equivalent expressions \(video\)](#)

1. Are $p + p + p + p$ and $3p$ equivalent? Prove it.

If the two expressions are not equivalent, revise the second expression ($3p$) to be equivalent to the first expression.

2. Are $M - 6$ and $6 - M$ equivalent? Explain.

3. Write an expression that is equivalent to the expression below using only two terms. Prove that your expression is equivalent to the expression below.

$$5w + 3(w + 4) - 6 + w + w + 4$$

PART C: Exit Ticket - Complete the following problems below using the SMP. Submit your answers online using [this Illuminate link](#).

1. Which pair of expressions is NOT equivalent

A) $4(3x - y)$ and $12x - 4y$

B) $32 + 16y$ and $8(4 + 2y)$

C) $3(x + 2y)$ and $3x + 2y$

D) $(4x - 2y)^2$ and $8x - 4y$

2. Which two expressions are equivalent for any value of y ?

A) $3(3y + 3)$ and $6y + 6$

B) $3(3y + 3)$ and $9y + 6$

C) $9(y + 3)$ and $12 + 9y$

D) $9(y + 3)$ and $27 + 9y$

PART D: Fluency - Log onto IXL and complete this exercise. You may use a notebook to solve these questions and show your work.

[IXL practice](#)

[IXL practice](#)

[IXL practice](#)

Grade 6 Week 2 Day 2 Assignment
Common Core Aligned Standard: 6.EE.5

Date: March 31, 2020

Objective: SWBAT understand the meaning of equality and inequality symbols, determine whether an equation or inequality is true based on the symbol used, and can use substitution to determine if a given number makes the equation or inequality true.

Lesson At-A-Glance for Today

Watch Video & Guided Practice (about 10 mins)

Solve problems independently following the SMP (about 25 mins)

Complete the Exit Ticket (about 10 mins)

Log onto IXL link (about 15 mins)

PART A: Guided Practice - Watch the teacher mini-lesson video to follow along to complete the guided practice problem below.

[Watch Teacher Mini-Lesson Video:](#)

Guided Practice Question: Gru from Despicable Me 2, has 6 secret bank accounts in hidden locations with the same amount of money in each account. He has been saving for a while for his minions and girls, and has no more than \$42, 558.

- Write an inequality that can be used to determine the amount of money in each bank account.
- What is the maximum amount of money he can have in each bank account?
- Can each bank account have \$9,000? Show your work and explain your answer.

Strategic Math Plan:

- 1. Read and Interpret the Question**
- 2. Make a Plan**
- 3. Solve**
- 4. Check your work**



PART B: Independent Practice - Complete the following problems below using the SMP.
Additional Video Resources: [Testing Solutions to Inequalities](#)

1. Use the set {12.25, 13, 14.5, 15, 16} to determine which value(s) are solutions to the following inequality and equation. Prove that your choice(s) makes the equation or inequality true using substitution.

A) $3g \geq 42$

B) $4.1 = d - 10.4$

2. Which inequality is true when the $x=2$? Circle all that apply.

A) $2x - 3 > 19$

B) $8 \leq 3x + 2$

C) $4x - 4 > 4$

D) $10 < 5x + 1$

3. What value(s) of n from the set of numbers {0, 2.5, 3, 3.5} make the inequality below true?

$$12 \geq 2n + 6$$

PART C: Exit Ticket - Complete the following problems below using the SMP. Submit your answers online using [this Illuminate link](#).

1. Which equation is true when $n = 4$? Circle all that apply.

A) $2n = 6$

B) $n + 3 = 7$

C) $9 - n = 13$

D) $\frac{n}{12} = 3$

2. Which value(s) below would make the inequality true? Select all that apply.

$$15 \leq n + 8$$

A) 6

B) 6.5

C) 7

D) 10

PART D: Fluency - Log onto IXL, 6th [grade math and complete the exercises on Z.1](#). You may use a notebook to solve these questions and show your work.

Grade 6 Week 2 Day 3 Assignment
Common Core Aligned Standard: 6.EE.6

Date: April 1, 2019

Objective: SWBAT use variables to write and evaluate expressions when solving a real-world problem.

Lesson At-A-Glance for Today

- A. Watch Video & Guided Practice (about 10 mins)
- B. Solve problems independently following the SMP (about 25 mins)
- C. Complete the Exit Ticket (about 10 mins)
- D. Log onto IXL link (about 15 mins)

PART A: Guided Practice - Watch the teacher mini-lesson video/Use the exemplar to follow along to complete the guided practice problem below.

[Watch Teacher Mini-Lesson Video](#)

Guided Practice Question: Nancy went to the store with a \$20 bill and bought a certain number of bagels that each cost \$0.99 and an orange juice for \$1.50. How much change would she receive if she bought 5 bagels and a juice?

Strategic Math Plan:

- 1. Read and Interpret the Question**
- 2. Make a Plan**
- 3. Solve**
- 4. Check your work!**



PART B: Independent Practice - Complete the following problems below using the SMP. Additional Video Resources: [Modeling with one-step equations \(video\)](#)

1. Write an expression to represent each mathematical phrase

Five less than n

Expression: _____

What is the value of the expression if $n = 7$?

Value: _____

2. To find the area of a triangle, you multiply the product of the base and height by $\frac{1}{2}$. Read each statement below and determine whether it is "True" or "False." **Show your work.**

Statement	True	False
The expression $A = b \times h \div 2$ represents the area of the triangle		
The expression $A = bh$ represents the area of the triangle		
If the base is 2.5cm and the height is 6 cm, the area is 15 square cm.		
If the base is 2.5cm and the height is 6 cm, the area is 7.5 square cm.		

3. Write an algebraic expression for the following: the product of 5 and the sum of 9 and y .

Expression: _____

If $y = 3$, what is the value of the expression?

Value: _____

PART C: Exit Ticket - Complete the following problems below using the SMP. Submit your answers online using [this Illuminate link](#).

1. Alfred and three friends went to the movies. They each bought a movie ticket for \$13.50. All the friends bought popcorn as well but Alfred did not. Popcorn costs \$4.50 per bag. If “p” is going to represent the bags of popcorn and “t” is going to represent the tickets, **which answer choice below represents both the expression that could be used to show the total amount Alfred and his friends spent on tickets and popcorn, as well as the amount of money they spent in all?**

- A) Expression: $13.50t + 4.50p$; Total: \$72.00
- B) Expression: $13.50t + 4.50p$; Total: \$67.50
- C) Expression: $13.50t + 4.50$; Total: \$58.50
- D) Expression: $18t + p$; Total: \$76.50

2. Mila's dog weighs 4 pounds more than 8 times the weight of Keiko's dog. **Which answer choice below represents both the expression that could be used to find the weight of Mila's dog and the actual weight of Mila's dog if Keiko's dog weighs 15 pounds?**

- A) Expression: $4k + 8$; Weight: 68 pounds
- B) Expression: $8k + 4$; Weight: 819 pounds
- C) Expression: $8k + 4$; Weight: 124 pounds
- D) Expression: $k \div 8 - 4$; Weight: 2 pounds

PART D: Fluency - Log onto IXL and complete this exercise. You may use a notebook to solve these questions and show your work.

IXL: [Y.3](#)

[Khan Academy: Modeling with one step equations](#)

Grade 6 Week 2 Day 4 Assignment
Common Core Aligned Standard: 6.EE.7

Date: April 2, 2020

Objective: SWBAT write and solve one-step equations that represent real-world and mathematical problems.

Lesson At-A-Glance for Today

- A. Watch Video & Guided Practice (about 10 mins)
- B. Solve problems independently following the SMP (about 25 mins)
- C. Complete the Exit Ticket (about 10 mins)
- D. Log onto IXL link (about 15 mins)

PART A: Guided Practice - Use the exemplar to follow along to complete the guided practice problem below.

[Click here for exemplar](#)

Guided Practice Question

Ex. 1) Wonka candy bars cost \$1.50 each. Shaqur wants to buy as many Wonka candy bars as he can. He has \$10 to spend at the candy store. He buys a can of soda for \$1.00 and spends the rest of his money on Wonka bars. How many Wonka bars did he buy?

Strategic Math Plan:

- 1. Read and Interpret the Question**
- 2. Make a Plan**
- 3. Solve**
- 4. Check your work**



PART C: Exit Ticket - Complete the following problems below using the SMP. Submit your answers online using [this Illuminate link](#)

1. Carly jumped 45 times in double-dutch during recess. This was 13 more jumps than she did last week. Which algebraic equation can be used to represent the amount of jumps Carly did at recess last week?

A) $45 = j + 13$

B) $45 = j - 13$

C) $45 = 13j$

D) $13 = 45 + j$

2. Ray and Hunter sell newspapers after school. Ray earns \$11 more than Hunter. On Monday, Ray earns \$25. Which answer choice below represents an equation that could be used to find out how much Hunter earns on Monday, as well as the amount he earns?

A) $h + 11 = 25; h = 36$

B) $h - 11 = 25; h = 36$

C) $h + 11 = 25; h = 14$

D) $r - 11 = 25; r = 14$

PART D: Fluency - Log onto IXL, [6th grade math and complete the exercises on Y.3](#). You may use a notebook to solve these questions and show your work.