Grade 5

Math Remote Learning Assignments

Week 3: April 6th - April 10th

Day	Assignments
Monday 4/6/2020	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
Tuesday 4/7/2020	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
Wednesday 4/8/2020	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
Thursday 4/9/2020	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
Friday 4/10/2020	Have a great Spring Break!

**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 **5** Week **3** Day **1** Assignment **Date:4/6/2020**
Common Core Aligned Standard: 5.MD.5

Objective: SWBAT find the volume of a rectangular prism by composing and decomposing right rectangular prisms using layers.

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)

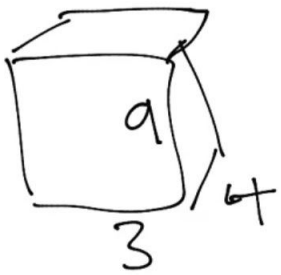
PART A: Guided Practice - Watch the teacher mini-lesson video and use the exemplar to complete guided practice problems.

Watch Teacher Mini-Lesson Video: http://www.showme.com/sh?h=r1bN5LU

Guided Practice Question

What is the volume of a figure with a length of 3 height of 9 and width of 4?

$V = l \times w \times h$



$3 \times 9 \times 4$

$= 108 \text{ un}^3$

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: Khan Academy
https://www.khanacademy.org/math/cc-fifth-grade-math/5th-volume/imp-finding-volume/v/volume-of-a-rectangular-prism-or-box-examples

Represent each problem below with a model and an equation.

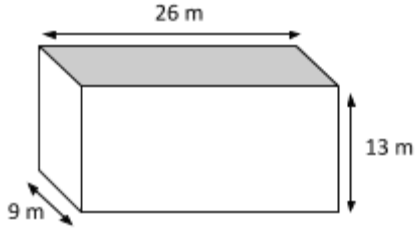
1. A fish tank is 10 inches high. It has a length of 18 inches and a width of 9 inches. How many cubic inches of water would it take to fill the tank?

2. A rectangular present has a base area of 40 square inches. What is the volume of the box if it is 6 inches tall?

3. Lindsey has a clothing storage box that has a volume of 240 cubic inches. She knows that the height of the box is 12 inches. What is the base area of the box?

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

1. Find the volume of the rectangular prism.



   A. 48 cubic meters
   B. 143 cubic meters
   C. 347 cubic meters
   D. 3,042 cubic meters

2. A truck has a trailer that has a volume of 2,250 cubic feet. If the base of the trailer is 225 square feet, how tall is the trailer?

   A. 2, 475 feet
   B. 10 feet
   C. 100 feet
   D. 2,025 feet

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

https://www.ixl.com/math/grade-5/volume-of-cubes-and-rectangular-prisms

Grade **5** Week **3** Day **2** Assignment **Date:4/7/2020**
Common Core Aligned Standard: 5.NF.5

Objective: SWBAT use an area model to multiply a unit fraction by a unit fraction and reason about the relative size of the product to the factors.

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)

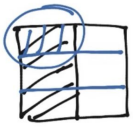
PART A: Guided Practice - Watch the teacher mini-lesson video and use the exemplar to follow along to complete guided practice problems.

Watch Teacher Mini-Lesson Video: http://www.showme.com/sh?h=GS2xnpQ

Guided Practice Question

$\frac{1}{2} \times \frac{1}{3}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$



$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

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:
https://www.khanacademy.org/math/arithmetic/fraction-arithmetic/arith-review-multiply-fractions/v/multiplying-a-fraction-by-a-fraction

1. Without actually solving, use <, >, = to compare. Explain your decision on the lines below. $\frac{1}{5} \times \frac{2}{3}$ _____ $\frac{2}{3}$

   _____

   _____

   _____

2. Luis solved the problem $\frac{1}{4} \times \frac{1}{8}$. Without solving yourself, explain what must be true about the product.

   _____

   _____

   _____

3. Is this True or False? Explain your reasoning.
   $97 \times \frac{1}{3} > 97$

   _____

   _____

   _____

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

1. For which of the values of K would the product of $\frac{k}{3}$ x 12 be greater than 12?
   a. For any value of K less than 1 but greater than 0.
   b. For any value of K less than 3 but greater than 1.
   c. For any value of K greater than 3.
   d. For any value of K equal to 3.

2. Which expression has a value greater than ½?

   a. ½ x $\frac{4}{5}$

   b. ½ x $\frac{4}{4}$

   c. ½ x $\frac{5}{5}$

   d. ½ x $\frac{5}{4}$

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

https://www.ixl.com/math/grade-5/scaling-whole-numbers-by-fractions

https://www.ixl.com/math/grade-5/subtract-mixed-numbers-with-unlike-denominators

Grade **5** Week **3** Day **3** Assignment **Date: 4/8/2020**
Common Core Aligned Standard: 5.NF.5

Objective: SWBAT use an area model to multiply a unit fraction by a unit fraction and reason about the relative size of the product to the factors.

Lesson At-A-Glance for Today

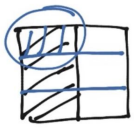
A. Watch Video & Guided Practice (about 10 mins)
B. Solve problems independently following the SMP (about 25 mins)
C. Complete the Exit Ticket (about 10 mins)
D. Log onto IXL link (about 15 mins)

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

Guided Practice-
http://www.showme.com/sh?h=GS2xnpQ

$\frac{1}{2} \times \frac{1}{3}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$



$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

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:
https://www.khanacademy.org/math/arithmetic/fraction-arithmetic/arith-review-multiply-fractions/v/multiplying-a-fraction-by-a-fraction

1. Jan has 1 pan of crispy rice treats. After a party, ½ of the pan is left over. She sets aside ½ of those leftovers for dessert later that night. What fraction of the pan will the family have for dessert?

   Draw a model and write an equation to represent the problem. Then, explain your answer on the lines below.

Model:	Equation:

Explanation:

_____

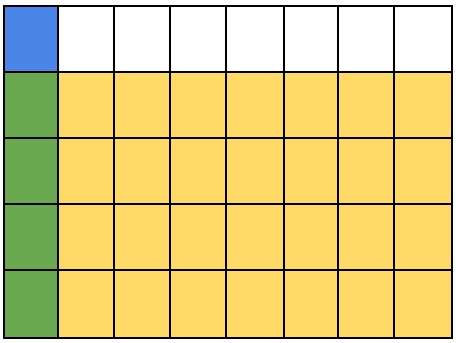
_____

_____

2. A sales lot is filled with vehicles for sale. $\frac{1}{3}$ of the vehicles are pickup trucks. $\frac{1}{3}$ of the pickup trucks are white. What fraction of all the vehicles are white pickup trucks? Draw an area model and solve.

Answer: _____

3. Use the model to find the product.



$\frac{1}{8} \times \frac{4}{5} =$

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

1. On Friday night, John ate pizza for dinner and had ½ of the pizza left over. On Saturday, he ate ⅓ of what was left. How much pizza did John eat on Sunday?

a. ⅚ pizza
b. ⅖ pizza
c. $\frac{2}{6}$ pizza
d. ⅙ pizza

2. Dina had ½ of a pan of lasagna left. She and her friends ate ¾ of it. What fraction of the leftover lasagna did Dina and her friends eat?

a. $\frac{4}{6}$
b. 1 ¼
c. ¼
d. ⅜

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

https://www.ixl.com/math/grade-5/multiply-two-fractions

Grade **5** Week **3** Day **4** Assignment **Date:4/9/2020**
Common Core Aligned Standard: 5.G.3 and 5.G.4

- **Objective:**
  - SWBAT understand that attributes belonging to a category of 2-D figures also belong to all subcategories of that category.
  - SWBAT classify 2-D figures in a hierarchy based on properties.

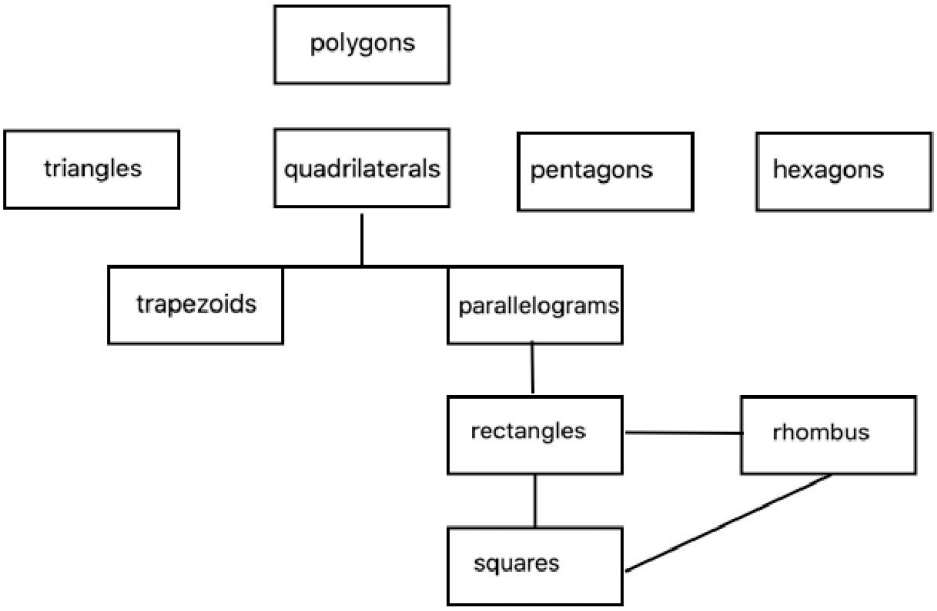
Lesson At-A-Glance for Today

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 and use the hierarchy of quadrilaterals to complete the guided practice problem below.

Video Link: https://learnzillion.com/resources/9559/

Hierarchy of Quadrilaterals:



Strategic Math Plan:

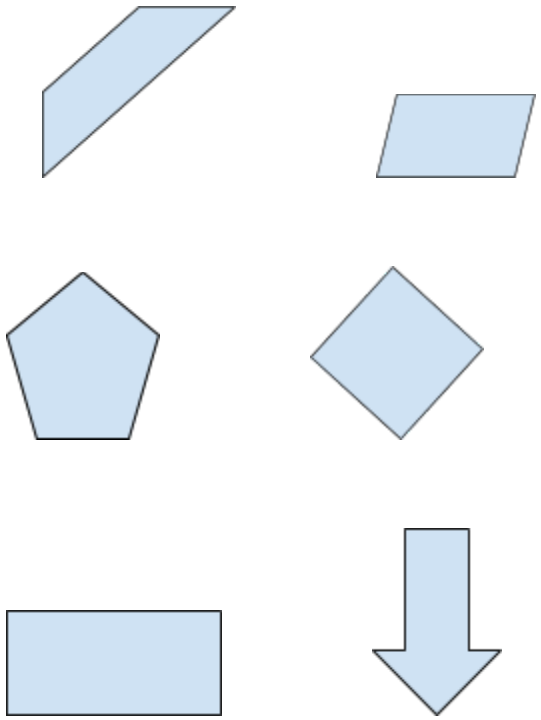
1. **Read and Interpret the Question**
2. **Make a Plan**
3. **Solve**
4. **Check your work**

MATHEMATICS
is not about
numbers, equations,
computations, or
algorithms:
it is about
UNDERSTANDING.

William Paul Thurston

PART B: Independent Practice - Complete the following problems below using the SMP.

1. Draw one line from every name on the left to the shape on the right.

1. Square **2.** Rectangle **3.** Parallelogram **4.** Trapezoid **5.** Regular Polygon **6.** Irregular Polygon	

2. Use the properties of each figure to classify the figures with the most specific name you can.

   a) Four sides, and one pair of parallel sides

   _____

   b) Four sides, four right angles, and all sides congruent

   _____

   c) Four sides, four angles, and two pairs of parallel sides

   _____

3. True or False. If the statement is false, rewrite it to make it true.

   a) All trapezoids are quadrilaterals _____

   b) All parallelograms are rhombi _____

   c) All rectangles are squares _____

   d) Rectangles are always parallelograms _____

   e) All rhombi are squares _____

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

1. Which of the following attributes can be used to distinguish a rhombus from a square?

   a) Number of sides

   b) Presence of parallel sides

   c) How side lengths compare

   d) Angle measures

2. Jim gave the following description of a figure:

   - It is a quadrilateral
   - All sides are equal in length
   - There are four right angles

   Which of the following describes the shape?

   a) Rectangle

   b) Rhombus

   c) Square

   d) Pentagon

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

https://www.ixl.com/math/grade-5/classify-quadrilaterals