

Grade 4

Math Remote Learning Assignments

Week 3: April 6th - April 9th

Please note that the work for this week is included below. Scroll down until you see each day's lesson.

Day	Assignments
Monday 4/6/20	Part A: Review the guided practice by a PPN teacher Part B: Complete the exit ticket on Illuminate CLICK HERE Part C: Solve the sense-making problem and share a picture of your work Part D: Complete the Khan Academy activity
Tuesday 4/7/20	Part A: Review the guided practice by a PPN teacher Part B: Complete the exit ticket on Illuminate CLICK HERE Part C: Solve the sense-making problem and share a picture of your work Part D: Complete the Khan Academy activity
Wednesday 4/8/20	Part A: Review the guided practice by a PPN teacher Part B: Complete the exit ticket on Illuminate CLICK HERE Part C: Solve the sense-making problem and share a picture of your work Part D: Complete the Khan Academy activity
Thursday 4/9/20	Part A: Review the guided practice by a PPN teacher Part B: Complete the exit ticket on Illuminate CLICK HERE Part C: Solve the sense-making problem and share a picture of your work Part D: Complete the Khan Academy activity
Friday 4/10/20	No school - 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.*

Monday, 4/6/2020

Objective: SWBAT to solve a word problem using the area and length of a rectangle to identify unknown width, to find the perimeter of a rectangle.

SWBAT to solve a word problem given the length and width of a rectangle to find difference in areas between original rectangle and rectangle with increased length and width.

Lesson At-A-Glance for Today

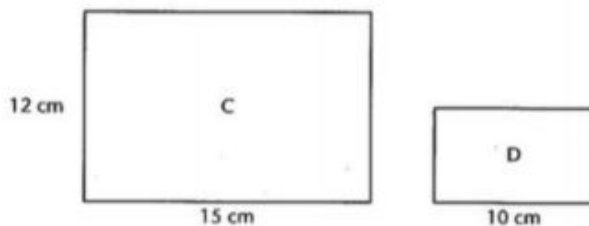
- A. [Review the guided practice](#) by a PPN teacher (about 5-10 mins)
- B. Complete the [Exit Ticket on Illuminate](#) (about 10 mins)
- C. Solve the **Sense-Making problem** and share a picture of your work (about 10 mins)
- D. Complete the [Khan Academy activity](#) (about 15 mins)

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

- [Click Here](#) for Guided Practice Question #1 Model
- Still a bit confused? Watch this video on khan academy to get more practice!
[Click Here](#)

1.

Steven draws the two rectangles shown below. The length of rectangle C is 3 times more than the length of rectangle D.



Part A

What is the perimeter of rectangle D?

Answer: _____ centimeters

Part B

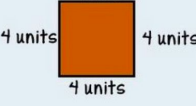
How much greater is the area of rectangle C than the area of rectangle D? Show or explain how you got your answer.

Models to Support:

AREA & PERIMETER FORMULAS

Perimeter: measurement of the distance around an object.

4 units




4 units

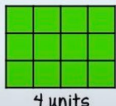
$P = s + s + s + s$

$P = 4 + 4 + 4 + 4$

$P = 16$ units



Area: measurement of a 2D space inside of an object.



3 units

4 units

$A = L \times W$

$A = 4 \text{ units} \times 3 \text{ units}$

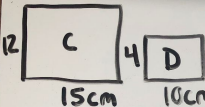
$A = 12$ units

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Strategic Math Plan (SMP)

1. Read and Interpret the Question
 - Ask yourself:
 - What is this question asking ?
 - What is my plan to solve ?
2. Make a plan to solve.
 - For multiple-choice, cover the answer choices and solve the problem before looking at the answer choices
 - Organize your workspace
 - Make a model/Write a formula/operation/equation
3. Use your plan to solve.
 - Label your work as you solve.
4. Check your work.
 - Re-read the question and ask,
 - "Does my answer make sense?"
 - "Did I answer the question completely?"
 Did I answer the question completely?
 - If your answer doesn't make sense, make a new plan and re-solve the problem.

publicPREP



12 4

15cm 10cm

$L = 12 \div 3$

$3 \times 4 = 12$

$L = 4$ cm

$P = s + s + s + s$

$P = 4 + 4 + 10 + 10$

$P = \frac{8 + 20}{128\text{cm}} - A$

$A = L \times W$

$A = 12 \times 15$

10	100	50
2	20	10

180cm²

180
- 40

140 cm² - B

$A = L \times W$

$A = 4 \times 10$

$A = 40\text{cm}^2$

PART B: Exit Ticket- Complete the following problems below using the SMP. Submit your answers online by clicking on the link below.

PPN Math Spring Review - Grade 4

EXIT TICKET: 4/6/20

Illuminate link - [CLICK HERE](#) (this is the same link that is on the cover page)

1.

A rectangle has an area of 36 square inches. Which of the following could NOT be the dimensions of the rectangle?

- A. 4 inches by 8 inches
- B. 2 inches by 18 inches
- C. 3 inches by 12 inches
- D. 9 inches by 4 inches

2.

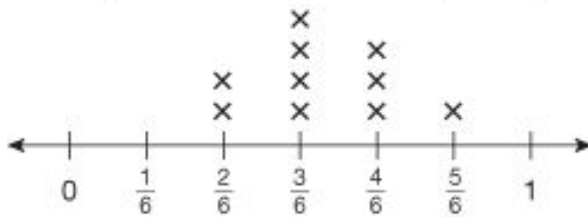
The most popular rug that one store sells has an area of 12 square yards. It is 4 yards long. What is the width of this rug?

- A 48 yards
- B 8 yards
- C 3 yards
- D 2 yards

3.

Rachel worked at a day care center where children have to take off their shoes before they come into class. Rachel measured the length of some the shoes. She put the data in the line plot below.

Length of Children's Shoes (in feet)



What is the total number of shoes Rachel measured?

- A. 12
- B. 10
- C. 8
- D. 6

PART C: Sense-Making

Solve the following word problem using the template. You do not need to write in the template. You can use your own notebook to show your work. When you are done, take a picture of your work and share it with your teacher.

Jen drew a rectangle with a length of 12 inches and a width of 34 inches. Then she drew another rectangle by doubling the length and width of the first one. What is the area of the second rectangle?

Show your thinking with objects, numbers, pictures, or words.

Answer: _____

Number sentence to match my work:

Number sentence to match the story:

PART D: Online Math Practice Time - Log onto Khan Academy and complete the activities.

[Click Here](#) You may use a notebook to solve these questions and show your work.

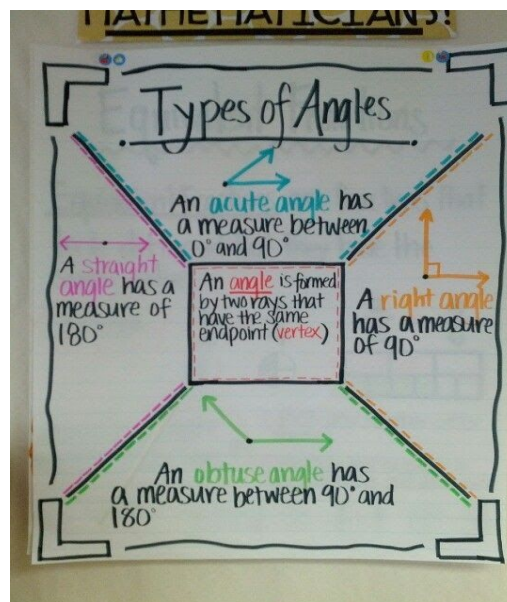
Tuesday, 4/7/2020

Objective: SWBAT identify whether rays and line segments are parallel or perpendicular, compare and classify polygons by properties of their lines and angles.

Lesson At-A-Glance for Today

- A. [Review the guided practice](#) by a PPN teacher (about 5-10 mins)
- B. Complete the [Exit Ticket on Illuminate](#) (about 10 mins)
- C. Solve the **Sense-Making problem** and share a picture of your work (about 10 mins)
- D. Complete the [Khan Academy Activity](#) (about 15 mins)

Lines Vocabulary		
Term	Definition	Illustration
Point	an exact location in space (stop)	
Line	An endless straight path with NO endpoints (GO)	
Ray	Part of a line with a single endpoint	
Line Segment	Part of a line with 2 endpoints	
Parallel Lines	Lines in a plane that never intersect and are some distance apart at every point	
Intersecting Lines	Lines that cross at one point	
Perpendicular Lines	Lines that intersect to form 4 right angles.	



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

- [Click Here](#) for Guided Practice Question
- Which street is parallel to 2nd Avenue?



1.

PART B: Exit Ticket- Complete the following problems below using the SMP. Submit your answers online by clicking on the link below.

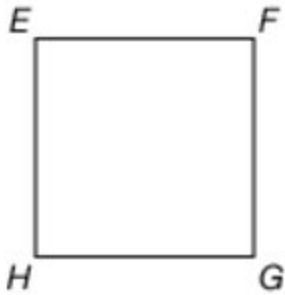
PPN Math Spring Review - Grade 4

EXIT TICKET: 4/7/20

Illuminate link - [CLICK HERE](#) (this is the same link that is on the cover page)

1.

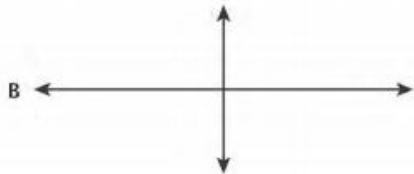
Which line segment in square $EFGH$ is parallel to line segment FG ?



- A. line segment EF
- B. line segment GF
- C. line segment GH
- D. line segment EH

2.

Which figure appears to show a pair of perpendicular lines?



3.

Dennis wants to buy carpet for the rectangular floor of his living room. The room is 12 feet long and 16 feet wide. What is the area, in square feet, of the living room floor?

- A 28
- B 56
- C 182
- D 192

PART C: Sense-Making

Solve the following word problem using the template. You do not need to write in the template. You can use your own notebook to show your work. When you are done, take a picture of your work and share it with your teacher.

During a weekend sale, a store sold 85 DVDs for \$19 each. The store also sold 6 special-edition video games for \$207 each. What is the total amount of money, rounded to the nearest hundred, the store made during the weekend sale?

Show your thinking with objects, numbers, pictures, or words.

Answer: _____

Number sentence to match my work:

Number sentence to match the story:

PART D: Online Math Practice Time - Log onto Khan Academy and complete this exercise [HERE](#) You may use a notebook to solve these questions and show your work.

Wednesday, 4/8/2020

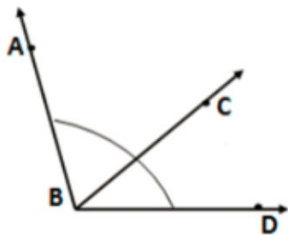
Objective: SWBAT to identify expressions that represent word problems to find unknown angles on a diagram using addition/subtraction; given angle with measurement, decompose angle into smaller angles to find measurement of smaller unknown angle. **SWBAT** identify angle measurement in whole-number degrees using a protractor.

Lesson At-A-Glance for Today

- E. Review the guided practice by a PPN teacher (about 5-10 mins)
- F. Complete the [Exit Ticket on Illuminate](#) (about 10 mins)
- G. Solve the **Sense-Making problem** and share a picture of your work (about 10 mins)
- H. Complete the [Khan Academy activity](#) (about 15 mins)

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

1. In the diagram below, angle ABC measures 68° and angle DBC measures 37° . What is the measure of angle ABD?



- A. 31°
- B. 95°
- C. 105°
- D. 180°

1. In the diagram below, angle ABC measures 68° and angle DBC measures 37° . What is the measure of angle ABD?

$\angle ABC + \angle DBC = \angle ABD$
 $68^\circ + 37^\circ = 105^\circ$

$\angle =$ angle symbol

At first glance, did you think you needed a protractor to solve this problem? *Well, Ms. Leem solved this without one!*

→ By looking at the diagram, I knew that angle, or $\angle ABD$ was the combined angle of $\angle ABC$ and $\angle DBC$ added together. So I added the two angles to get the measure of $\angle ABD$ which was 105 degrees.

PART B: Exit Ticket- Complete the following problems below using the SMP. Submit your answers online (same link as on cover page)

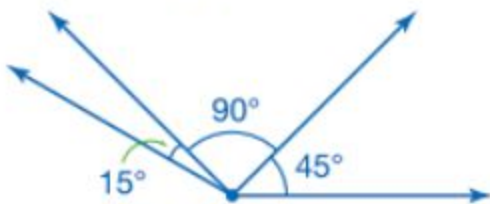
PPN Math Spring Review - Grade 4

EXIT TICKET: 4/8/20

Illuminate link - [CLICK HERE](#) (this is the same link that is on the cover page)

1.

Look at the figure below

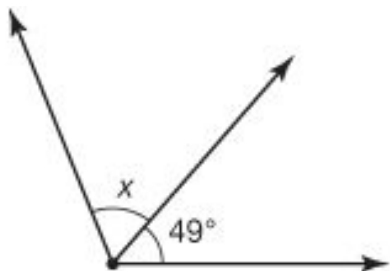


What is the sum of the angles?

- A. 60° B. 105°
 C. 135° D. 150°

2.

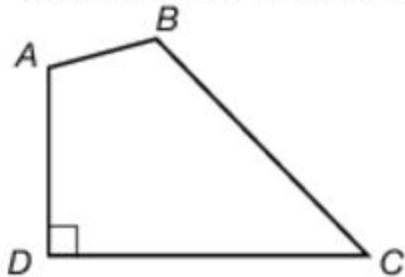
The angles have a sum of 112 degrees. What is the measure of the missing angle?



- A 49
 B 63
 C 77
 D 161

3.

Which two sides of this figure are perpendicular?



- A. sides AB and BC
- B. sides BC and CD
- C. sides CD and AD
- D. sides AD and AB

PART C: Sense-Making

Solve the following word problem using the template. You do not need to write in the template. You can use your own notebook to show your work. When you are done, take a picture of your work and share it with your teacher.

Jack received a delivery with 678 books for his bookstore. He put them on 6 shelves, with the same number of books on each shelf. Micky also received a delivery of 3 boxes with 1,024 books in each box. He put his books on 6 shelves, with the same number on each shelf. Who has more books on each shelf, Jack or Micky, and how many more books does he have on each shelf?

Show your thinking with objects, numbers, pictures, or words.

Answer: _____

Number sentence to match my work:

Number sentence to match the story:

PART D: Online Math Practice Time - Log onto Khan Academy and complete this exercise [HERE](#). You may use a notebook to solve these questions and show your work.

Thursday, 4/9/2020

Objective: SWBAT to solve multistep word problems using the four operations, including problems in which remainders must be interpreted.

Lesson At-A-Glance for Today

- A. Watch [Video & Guided Practice](#) (about 5-10 mins)
- B. Complete the [Exit Ticket on Illuminate](#) (about 10 mins)
- C. Solve the **Sense-Making problem** (about 10 mins)
- D. Complete the [Khan Academy activity](#) (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.

[Video Link/Exemplar](#)
[Guided Practice](#)
[Question](#)

Sam was in a contest at the library to read as many books as he could in three months. At the end of the contest he earned 2 tickets for each book he read. The table below shows the number of books Sam read each month.

BOOKS SAM READ

Month	Number of Books
January	15
February	13
March	16

Sam was able to buy 1 prize for every 5 tickets he had earned. Sam bought as many prizes as he could with his tickets. How many prizes was Sam able to buy?

Show your work and explain your answer.

Sam was in a contest at the library to read as many books as he could in three months. At the end of the contest he earned 2 tickets for each book he read. The table below shows the number of books Sam read each month.

Month	Number of books
January	15
February	13
March	16

Sam was able to buy 1 prize for every 5 tickets he earned. Sam bought as many prizes as he could with his tickets. How many prizes was Sam able to buy?

~~J = 15 books~~
~~F = 13 books~~
~~M = 16 books~~
~~earn 2 tickets each book~~
~~1 prize = 5 tickets~~

How many prizes Sam buy?

Total books read
 15
 13
 + 16
 44
 books

Total tickets earned
 $44 \times 2 =$
 $\begin{array}{r} 44 \\ \times 2 \\ \hline 88 \end{array}$
 88
 + 8
 88
 tickets

Prizes Sam buys
 $88 \div 5 = p$
 $\begin{array}{r} 5 \overline{) 88} \\ \underline{50} \\ 38 \\ \underline{35} \\ 3 \end{array}$
 17 prizes

*My strategic math plan (jots) guide me through!

PART B: Exit Ticket- Complete the following problems below using the SMP. Submit your answers online (same link as on cover page)

PPN Math Spring Review - Grade 4

EXIT TICKET: 4/9/20

Illuminate link - [CLICK HERE](#) (this is the same link that is on the cover page)

1.

A paperback book costs \$20. A hardcover book costs 4 times as much as the paperback book. A vintage book costs \$43 more than the hardcover book. How much does the vintage book cost?

- A \$37
- B \$48
- C \$123
- D \$3,440

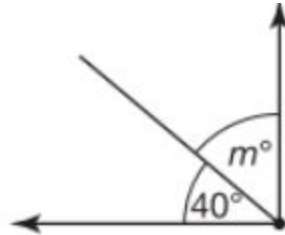
2.

On Thursday, 98 students signed up for the town basketball league. On Friday, 73 more students signed up. Each team will have 9 players. Every student that signed up will be on a team. How many teams will there be in the league?

- A 10
- B 11
- C 18
- D 19

3.

The largest angle below is a right angle. What is the measure, in degrees, of angle m ?



- A 40
- B 50
- C 60
- D 130

PART C: Sense-Making

Solve the following word problem using the template. You do not need to write in the template. You can use your own notebook to show your work. When you are done, take a picture of your work and share it with your teacher.

Sensemaking

Name: _____ Date: _____

Monica wrote a 208-page essay in 7 days. On the first day, she wrote 28 pages. Each day after that, she wrote the same number of pages, p . Write and solve an equation that can be used to determine the number of pages, p , that Monica wrote each day after the first day.

Show your thinking with objects, numbers, pictures, or words.

Answer: _____

Number sentence to match my work:

Number sentence to match the story:

PART D: Online Math Practice Time - Log onto Khan Academy and complete this exercise [HERE](#). You may use a notebook to solve these questions and show your work.