Hi wonderful students!

Below you will find your home-based activities for the week of April 6th. Please don't forget to turn your work into your teacher by scanning and emailing, or returning it next Monday when you pick up a new packet. See you soon!

Monday	Choose onel Angle Scavenger Hunt Can you locate the three types of angles around your own house? Find 5 examples of an obtuse angle, a right angle and an acute angle around your house. Write these down on a piece of paper and return them with your packet. Toss and Talk You will need a partner, the worksheet provided and number tiles for the numbers 0-9 (or 10 small pieces of paper with the numbers 0-9 written on them). Place the numbers in a bag (or cup or anything that you can pull them out of). Pick a tile and find the angle your tile matches. Use the protractor to find the measurement of your angle, and match it to the measurement at the bottom. Put your number on the degrees of the measurement it matches.
Tuesday	• Secret Code Math What do ducks eat for a snack? Find out by finding the measurement of each on each protractor and decoding the answer!
Wednesday	Choose onel Guess my Anglel Using a protractor (if you have one), draw an angle on a piece of paper. Write the type of angle (right, acute or obtuse) and the angle's measurement in degrees. Describe this angle to your partner without telling them the measurement of the angle! You can tell them what numbers the rays intersect, what type of angle it is, and explain to them how you drew it. Angle Tic-Tac-Toe Draw a tic-tac-toe game board on a piece of paper. Cut out the adjacent angles problems from the attached page (The 12 problems that have two angles connected). Lay them face down in one pile. Partner 1 pulls the top card and solves for the unknown angle. Partner 2 checks their work If they are correct, they get to put an X or O on their game board. Next, Partner 2 chooses a card and solves the problem. Partner 1 then checks their answer. Continue this pattern until someone gets a Tic-Tac-Toe!
Thursday	· HMH Lesson "14.5 Unknown Angle Measures".
Friday	· Free Choice! You can complete any unfinished work, play fact fluency games, or even play Prodigy! 😊

Science:

Monday: Read through the two paragraphs. Fill in the blanks as you go with the correct word from the word bank and draw a picture when asked.

- Some key vocabulary words have been provided for you along with their definitions.

Tuesday: For this one you have two options: You may pick to either...

- A. Complete the word search
 - OR
- B. Use a piece of notebook paper to complete a home survey answering the following questions
- 1) What kind of energy heats our home in winter?
- 2) What kind of energy cools our home in summer?
- 3) What kind of energy cooks our food?
- 4) What kind of energy heats our water?
- 5) What kind of energy runs our cars?
- 6) What kind of energy powers our lights and our appliances?
- 7) What kinds of things do we recycle?
- 8) How do we waste energy?
- 9) How do we save energy?
- 10) What things can we do to save more energy?

*Credit for fill in the blanks: Stem Scopes

Social Studies:

This week you will ONLY have 1 assignment. This assignment has 2 PARTS.

Wednesday - Part 1: You will choose between 3 famous Cattlemen and conduct research on their contribution to the cattle industry. Use the attached research sheet to quide your research.

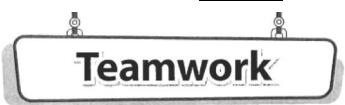
- Pick ONE of the 3 Cattleman:
- 1. Charles Goodnight
- 2. Richard King
- 3. Lizzie Johnson

Thursday - Part 2: You will create an advertisement for the cattleman you chosel It can be in the form of a billboard, poster, or a brochure.

- Pretend that your cattleman is alive today and is campaigning against the others to be elected as, "The World's Best Cattleman."
- Create an advertisement that illustrates VVHY the cattleman you chose should be considered the "The World's Best Cattleman."
 - * Be sure to include:
 - o Their contributions to the cattle industry (what makes them so special)
 - o A catchy slogan for their campaign
 - o Creative drawings that capture why they are famous

*Credit for creating the research sheet goes to: @2014TeachingInTheFastLaneLLC4

MATH







Put 回口卫国国国国国团图回 in a bag.

Repeat for Each Round Pick a tile. Take turns. Read the name of the angle next to your number. Trace that angle on the protractor. Find the measure of that angle. Use your tile to cover the answer.

1 LAOD

1 LHOF

2 LAOB

3 LAOE

4 LHOG

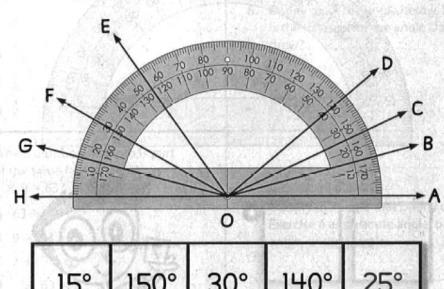
国 LHOE

6 LAOF

1 LAOG

1 LHOD

19 LAOC

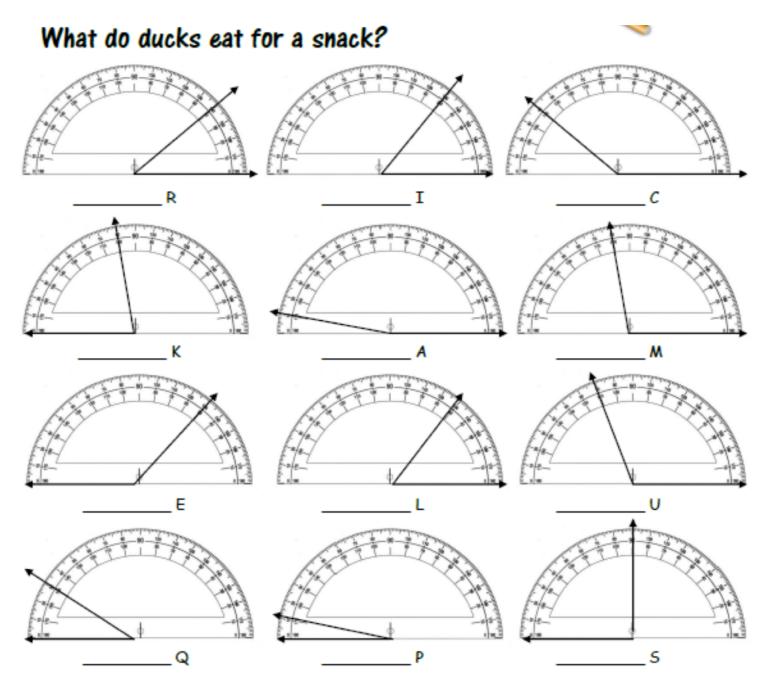


15°	150°	30°	140°	25°.
15°	165°	40°	125°	55°



Use your finger to trace a different angle on the protractor.

Ask your partner to find the measure of that angle.



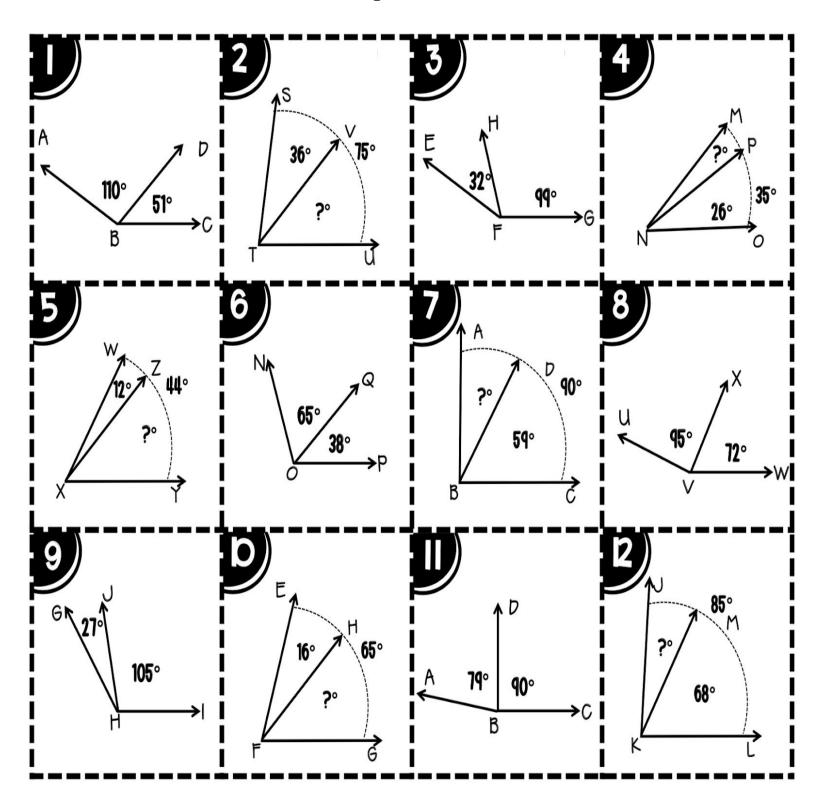
Using the protractors, measure the degrees of each angle above. Write the angle measure on the line provided. Place the letter next to the line on the space provided below. When you are finished, you will have the answer to the riddle!

37, 770, 740, 90, 730, 40, 40,

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Week of April 6th Activities



Name __

PROBLEM SOLVING • Unknown Angle Measures





Essential Question

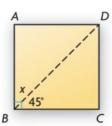
How can you use the strategy *draw a diagram* to solve angle measurement problems?

Unlock the Problem



Mr. Tran is cutting a piece of kitchen tile as shown at the right. He needs tiles with 45° angles to make a design. After the cut, what is the angle measure of the part left over? Can Mr. Tran use both pieces in the design?

Use the graphic organizer below to solve the problem.



Read

What do I need to find?

I need to find

What information am I given?

I can use the measures of the angles I know.

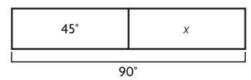
Plan

What is my plan or strategy?

I can draw a strip diagram and use the information to

Solve

I can draw a strip diagram to represent the problem. Then I can write an equation to solve the problem.



 $m\angle ABD + m\angle CBD = m\angle ABC$

$$x =$$

The $m\angle ABD = \underline{\hspace{1cm}}$.

Since both tiles measure _____, Mr. Tran can use both pieces in the design.



What other equation can you write to solve the problem?

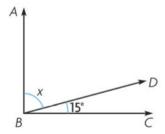
Explain.

Lesson Check

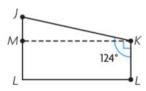


Fill in the bubble completely to show your answer.

7. What is the measure of the unknown angle *ABD*? Angle *ABC* is a right angle.



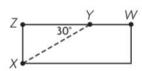
- A 80°
- (B) 105°
- C 165°
- D 75°
- **9.** Jason wants to add a fence to his yard to make it the shape of a rectangle.



What is the measure of angle *MKJ* in the portion of the yard not inside the fence?

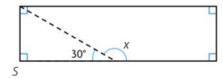
- A 34°
- (B) 146°
- C 56°
- D 90°
- 11. Multi-Step Two angles join to form a right angle. The measure of one of the angles is 64°. What is the measure of the other angle?
 - A 116°
- © 90°
- (B) 26°
- D 36°

8. Carol cut a triangle out of a rectangular tile to make a mosaic.



What is the measure of angle *XYW* in the piece leftover?

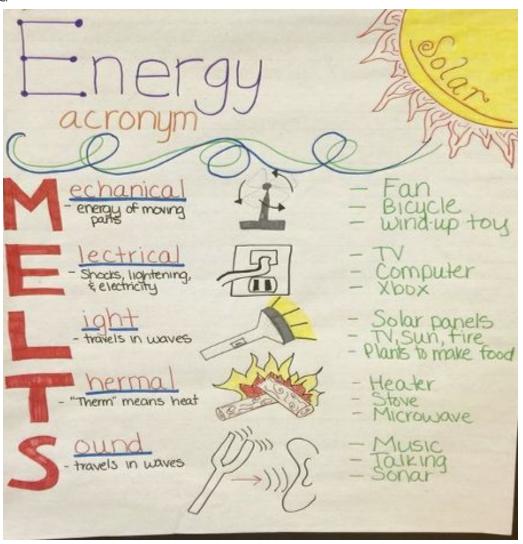
- (A) 180°
- (B) 45°
- (C) 150°
- (D) 60°
- **10.** What is the measure of the unknown angle in the figure?



- (A) 90°
- (B) 150°
- (C) 60°
- (**D**) 180°
- **12. Multi-Step** Three angles join to form a straight angle. One angle measures 45°. Another angle measures 50°. What is the measure of the third angle?
 - A 85°
- © 130°
- B 95°
- D 100°

Energy Vocabulary

- Energy the ability to cause change or movement in matter
- Kinetic energy energy in use or motion
- Potential energy energy an object has because of it position or condition
- Mechanical energy energy of motion that causes work
- Electrical energy a form of energy that comes from electricity used to produce heat, light, or sound
- Sound energy energy that travels in the form of waves made from the vibrations of matter
- Light energy a form of energy that travels in straight lines and can be seen with the eye
- Thermal energy a form of energy formed from moving particles; also called heat energy
- Insulator a substance that does not transfer energy easily
- Conductor a substance that transfers energy easily
- Reflection light rays bouncing off a surface
- Refraction bending of light rays as they pass through a substance
- Electricity a form of energy produced by the movement of electrons
- Electromagnet a magnet created from the flow of electrical currents through a wire coil wrapped around an iron or steel core.

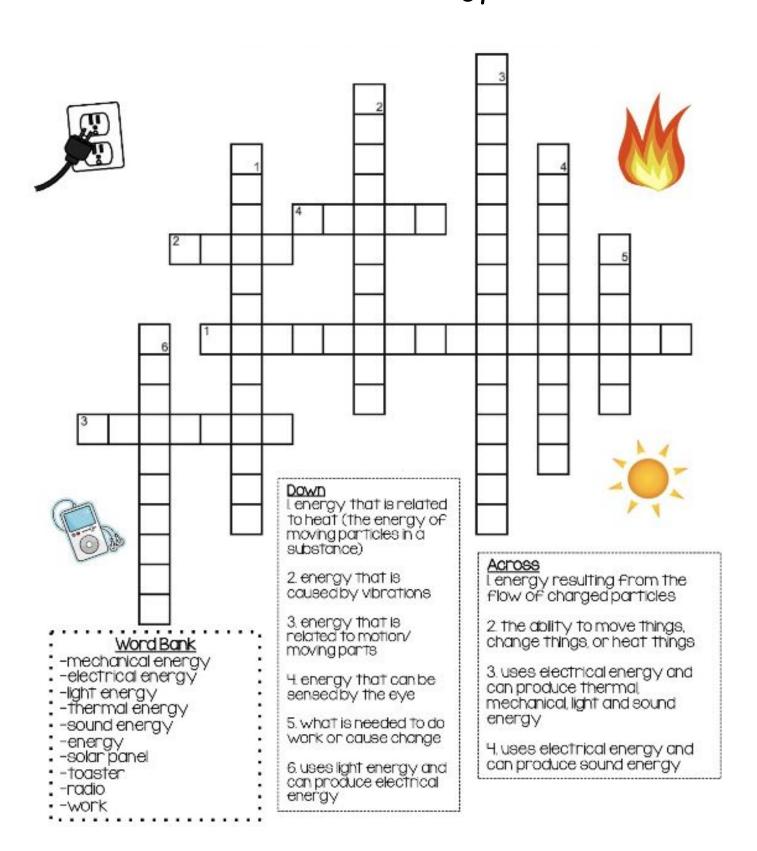


Key Concept 1: There are different forms of energy, including mechanical, sound, electrical, light, and thermal.

Passage: Use the words from the word bank to fill in the blanks in the								
passage below. Sor	me of the word	s may not be used.						
Energy exists in different forms, including light, thermal, mechanical, sound, and electrical energy. Light energy travels through space and								
								allows us to see the
		ay by increasing or decreasing the						
		chanical energy is the energy of						
		n be heard due to the						
		ectrical energy involves the						
movement of charg	ged particles th	rough a						
Word Bank								
Vibrations	Movement	Circuit						
Reflecting	Heat	Light						
Illustrate and label	an example of	each energy form from the						
paragraph above.	an example of	odon onergy rount non-the						
Key Concent 2: V	Me can observ	e and differentiate forms of energy						
	Key Concept 2: We can observe and differentiate forms of energy. Light bulbs, toasters, fans, and televisions are common, everyday							
		it, thermal, mechanical, sound, and						
	electric	cal energy.						
Passage: Use the	words from the	word bank to fill in the blanks in the						
		ds may not be used.						
Appliances can us	e several	of energy at once. A laptop						
		it charged. This is an example of						
		the power is turned on, the						
		energy, so you can see.						
		d, which causes the bottom of the						
		n within the computer turns on to						
		s of the computer. This is an						
		. And of course, if we want to listen						
to a video or music	on the compu	uter, energy must exist!						
Word Bank								
Mechanical	Light	Electrical						
Sound	Thermal	Types						
	-0.00 eV #0.000 ft.#010	CONTRACTOR						

Illustrate an appliance (different from above), and label the forms of energy it uses and produces as it is used.

Forms of Energy Crossword



Social Studies

FAMOUS CATTLEMAN RESEARCH SHE	ET
I am researching	
He/She was born in	on
and died in	
on	
They are famous because	
:	—
 Their impact is	
meii impacris	_
	_
Three important facts are:	
1.	
2.	
3.	
	—
	—
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