4

Mathematics 4

Microlearning Module

QUARTER 1 – Module 1

Illustrating Different Angles Using Models

Microlearning Module

REGION XII - DIVISION OF SULTAN KUDARAT

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Mathematics 4
Microlearning Module (MLM)
Quarter 1 – Module 1: Illustrating Different Angles Using Models
First Edition, 2024

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MICROLEARNING MODULE

Name: _____Grade & Sec: _____Score: _____
Subject: ____Mathematics_____Quarter: ____1_____MLM No.__1
Teacher:_____
Competency: Illustrate different angles (right, acute, obtuse) using models

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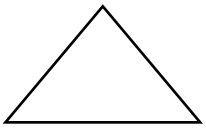
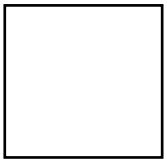
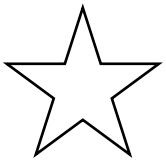
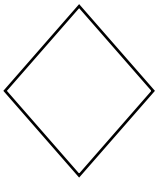
A. Look Back!

Identify the following plane figures. Draw a line to match Column A with Column B.

COLUMN A		COLUMN B
1.		a. diamond
2.		b. rectangle
3.		c. square
4.		d. triangle
5.		e. star

Write your answer in the blank provided.

6. How many corners does a square have?_____
   What about a triangle?_____

7. Does a circle have sides? _____

8. Does a diamond have corners?_____

B. What's New?

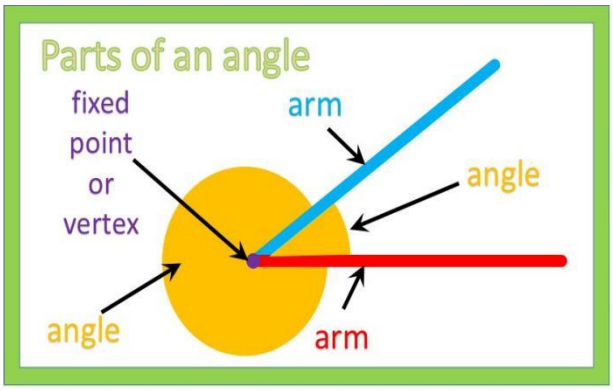
Look at the figure below.

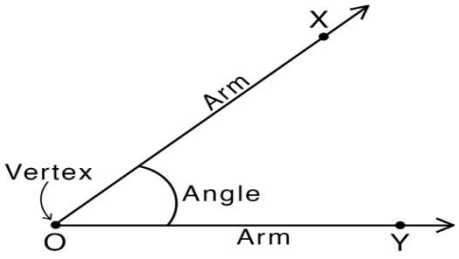
Based on the illustration, can you identify the corners, sides, and angles of the house?

C. What Is It?

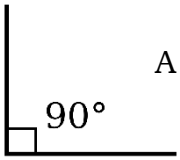
An angle is a combination of two rays (half-lines) with a common endpoint.

Study the following:

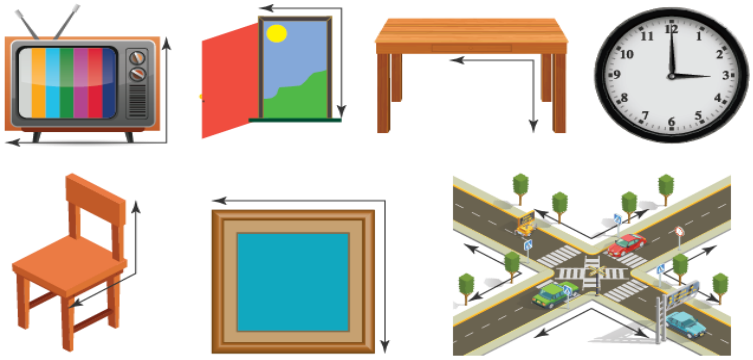


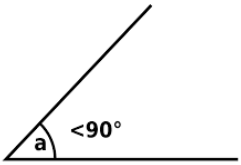


An **angle** is formed when two rays meet at a point called the **vertex**. It is measured in degrees (°). Angles can be classified according to their measurements.

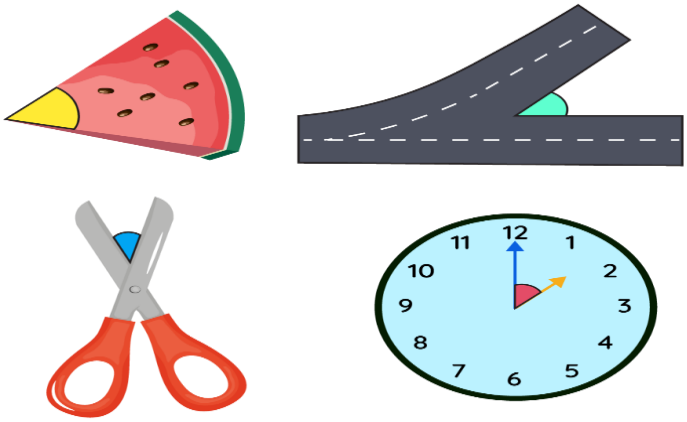


A **right angle** measures **90°**. It forms a square corner.

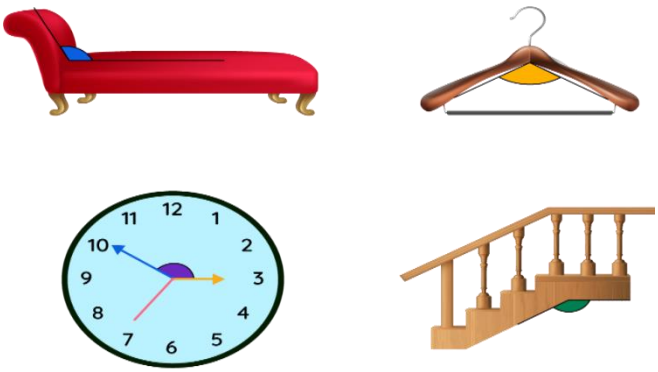




An **acute angle** measures less than **90°.** It is smaller than a right angle.



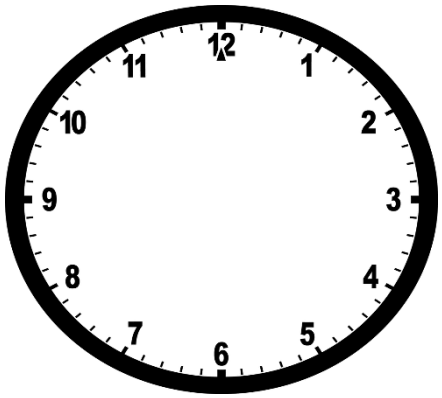
An **obtuse angle** measures more than **90°** but less than**180°**.



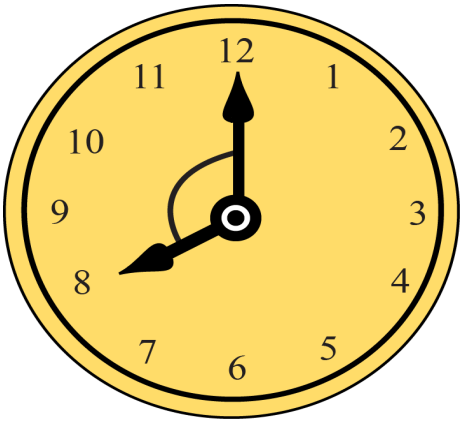
D. Let's Try!

1. Trace the clock's hand to form a **right angle.**

2. Draw a clock with its hour hand pointing to 10 and its minute hand pointing to 12 illustrating an **acute angle.**



3. Draw a clock showing an **obtuse angle** with its hour hand pointing to 8 and its minute hand pointing to 12.



E. Let's Evaluate!

Draw the clock's hands indicating the time asked for numbers 1-4 showing right angles.

1. **12:45**

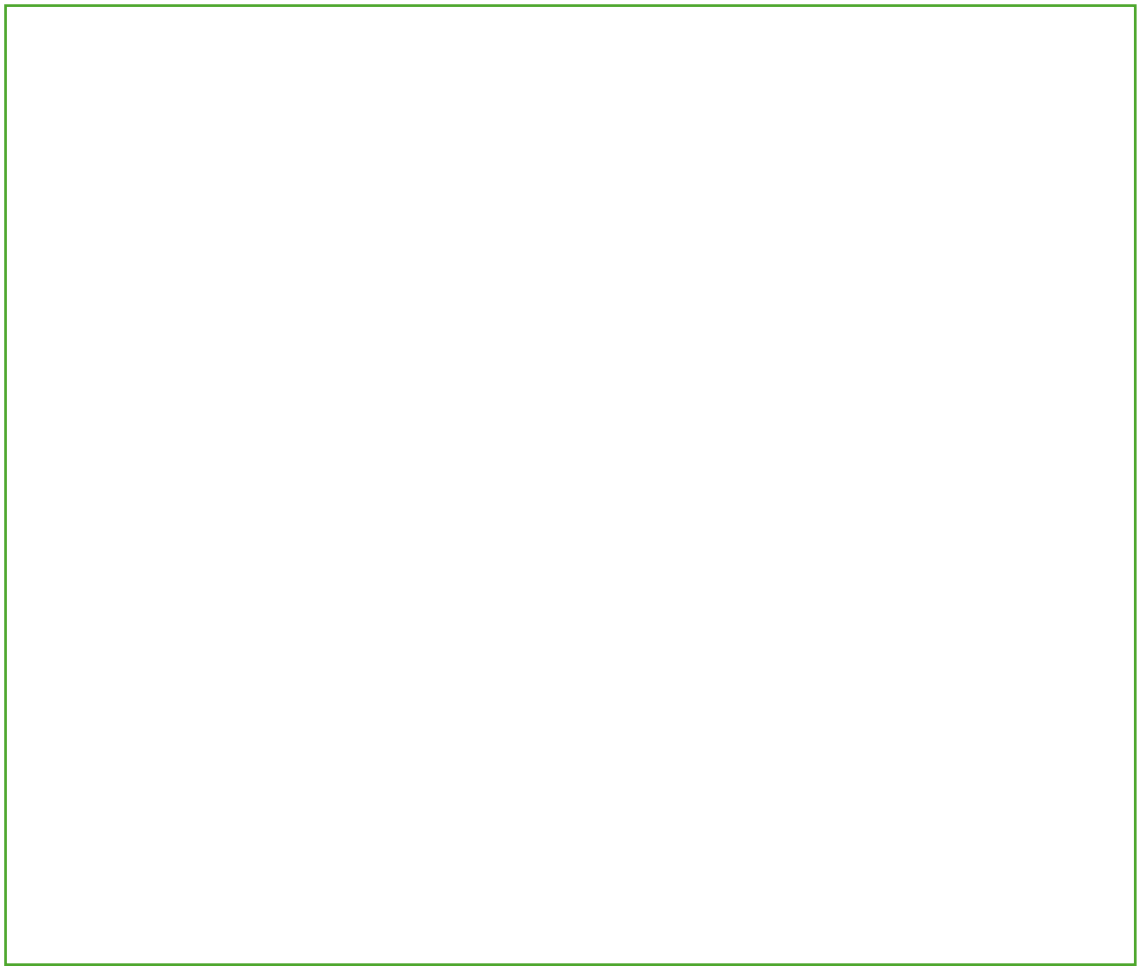
2. **3:30**

3. **9:30**

4. **6:15**

For numbers **5-7**, illustrate at least three acute angles using line segments.

For numbers **8-10**, draw any object or model illustrating an obtuse angle.



Challenge!

A. On a blank coupon band, draw a simple version of your own "bahay-kubo". Label and identify the angles used.
This is the rubric to be used to rate your output.

Criteria	5-Excellent	4-Very Good	3-Good	2-Fair	1-Poor
Neatness	The work is clean and well-organized.	The drawing is neat with straight lines and clear details. Minor inconsistencies are present but do not detract from the overall appearance.	The drawing is moderately neat. Most lines are straight, but there are a few inconsistencies.	The drawing is somewhat messy with several unclear areas. Some lines are straight, but many are not.	The drawing is messy and lacks clarity. Lines are not straight or consistent, and the work appears rushed.
Accuracy	All labels and angles are accurate. The drawing aligns perfectly with the structure of a 'bahay-kubo'.	Labels and angles are mostly accurate with only minor errors. The drawing aligns well with the structure of a 'bahay-kubo'.	Most labels and angles are correct, but there are a few mistakes.	Some labels and angles are correct, but many are incorrect or missing. The drawing does not align well with the structure of a 'bahay-kubo'.	Labels and angles are mostly incorrect or missing. There is little to no alignment with the actual structure of a 'bahay-kubo'.
Timeliness	The work was finished on time with no need for last-minute adjustments.	The work was finished on time with only minor last-minute adjustments needed.	The work was finished slightly after the deadline.	The work was finished significantly after the deadline.	The work was not finished on time.

F. References

Chingcuangco, Ofelia G. (2019) *Soaring High with Mathematics 4.* Textbook. Valenzuela City: Saint Mathew's Publishing

https://thirdspacelearning.com/gcse-maths/geometry-and-measure/types-of-angles/

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MATH Grade 4 Q1 LC1

A. Look Back!

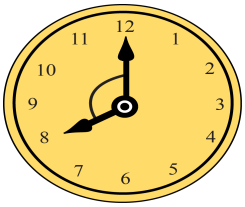
1. D 2. C 3. E 4. A 5. B

6. A square has 4 corners. A triangle has 3.
7. A circle has no sides.
8. Yes, it has 4 corners.

D. Let's Try!

1. Answers may vary

2. 

3. 

E. Let's Evaluate!

1 

3. 

4. 

2 . 

5 - 7. Answers may vary

8 -10. Answers may vary

Challenge!

Outputs may vary