

AMERICAN MATH HW
WEEK OF February 16-20

Due Date: Sunday, 2/22 by midnight

Focus for the week: The focus of the HW this week is drawing angles and joining and separating angles.

Pacing guideline: Look at the top right corner of the page for the suggested pace.

Uploading Instructions: Homework will be accepted only through Archie. Upload homework on Archie and wait till you get the message – “**the file has been successfully uploaded**”. If for any reason you have technical issues, get in touch with me as soon as possible.

Paper homework is accepted for valid reasons. In such cases, parents should reach out via email to inform about the same.

IMPORTANT – Please show ALL YOUR WORK done to find the answer to any problem to earn FULL CREDIT. No credit is earned when only final answer is written and no work is shown.

Note: Bring your homework to class everyday. I will discuss the HW from the previous day in every class. It is important to practice the assigned topics daily because the next day’s instruction builds on the previous lesson.

ANNOUNCEMENT – Quiz on Friday 2/20 on content covered last week.

Additional Practice Material (Optional):

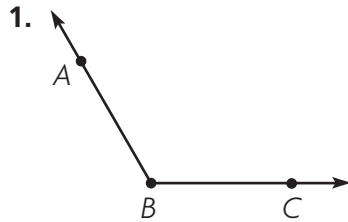
- 1) IXL practice:
 - i. Go to IXL.com on any web browser OR IXL app on iPad
 - ii. Login using following credentials:
 - Username – your_archie_username@archimedeanacad
 - Password – archie199
 - iii. Go to Learning> Skills> Fourth Grade Math
 - iv. Practice modules –
Fourth Grade : K1-K11

Measure and Draw Angles

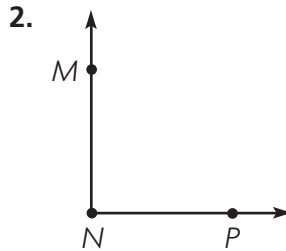
Go Online

Interactive Examples

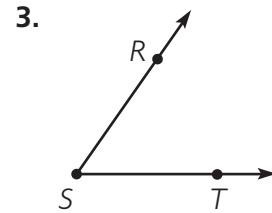
Use a protractor to find the angle measure.



$$m\angle ABC = \underline{120^\circ}$$



$$m\angle MNP = \underline{\hspace{2cm}}$$



$$m\angle RST = \underline{\hspace{2cm}}$$

Use a protractor to draw the angle.

4. 40°

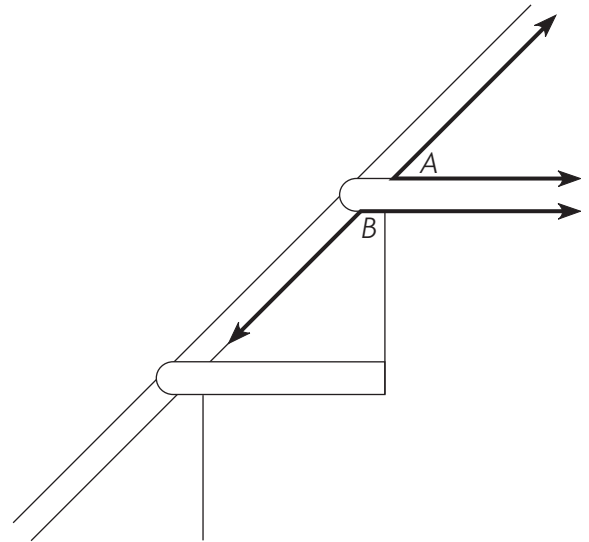
5. 170°

Problem Solving

The drawing shows the angles a stair tread makes with a support board along a wall. Use your protractor to measure the angles.

6. What is the measure of $\angle A$? _____

7. What is the measure of $\angle B$? _____

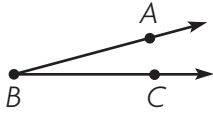


8.  Find an angle at home. Measure the angle.

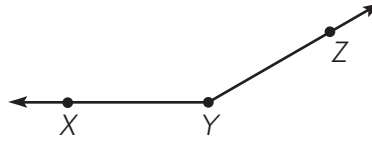
Record the measure. Classify the angle.

Lesson Check

9. What is the measure of $\angle ABC$?



10. What is the measure of $\angle XYZ$?

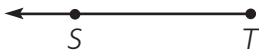


Spiral Review

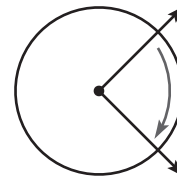
11. Dante earned \$1,472 during the 4 weeks he had his summer job. If he earned the same amount each week, how much did he earn each week?

12. Arthur baked $1\frac{7}{12}$ dozen muffins. Nina baked $1\frac{1}{12}$ dozen muffins. How many dozen muffins did they bake?

13. Trisha drew the figure below. What figure did she draw?



14. Measure and describe the turn shown by the angle. Be sure to tell about the size and direction of the turn.



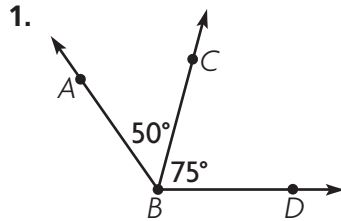
Name _____

Join and Separate Angles

Go Online

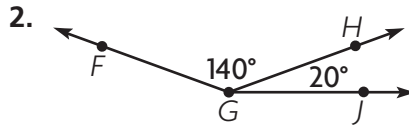
Interactive Examples

Add to find the measure of the angle. Write an equation to record your work.

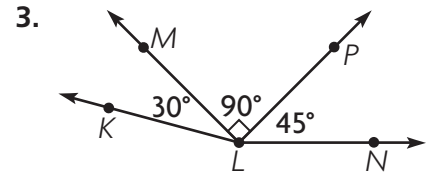


$50^\circ + 75^\circ = 125^\circ$

$m\angle ABD = 125^\circ$



$m\angle FGJ =$ _____



$m\angle KLN =$ _____

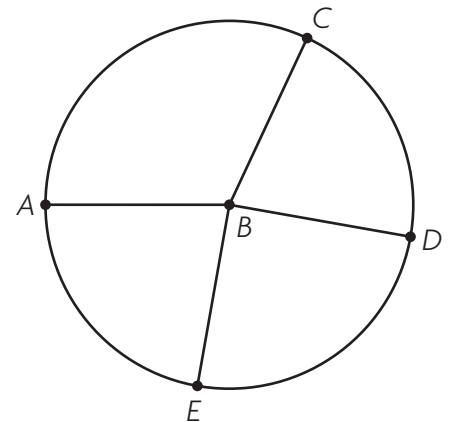
Use a protractor to find the measure of each angle in the circle.

4. $m\angle ABC =$ _____

5. $m\angle DBE =$ _____

6. $m\angle CBD =$ _____

7. $m\angle EBA =$ _____

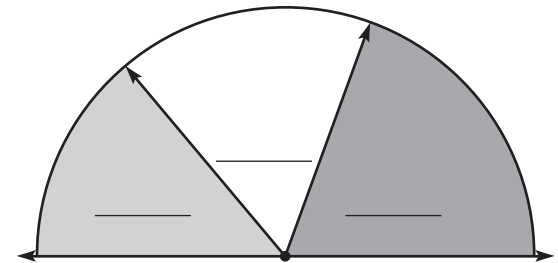


Problem Solving

8. Ned made the design at the right. Use a protractor. Find and write the measure of each of the 3 angles.

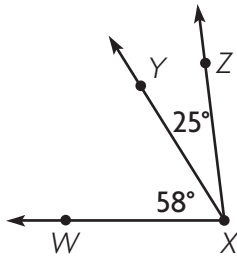
9. Write an equation to find the measure of the total angle.

10. **WRITE** *Math* How can you use addition and subtraction to put together and separate measures of an angle and its parts?

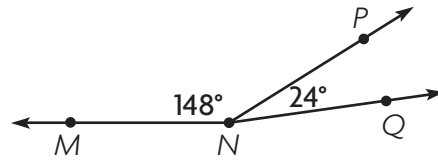


Lesson Check

11. What is the measure of $\angle WXZ$?



12. Write an equation that you can use to find the $m\angle MNQ$.



Spiral Review

13. Jose bought 6 packages of envelopes. Each package contains 125 envelopes. How many envelopes did he buy?
14. Bill hiked $\frac{3}{10}$ mile on the Lake Trail. Then he hiked $\frac{5}{10}$ mile on the Rock Trail to get back to where he started. How many miles did he hike?

15. Rylan drew a quadrilateral with 4 right angles and 4 sides with the same length. What figure best describes his quadrilateral?
16. How many degrees are in an angle that turns through $\frac{3}{4}$ of a circle?

Unknown Angle Measures

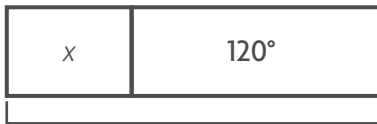
Go Online

Interactive Examples

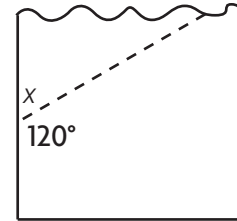
Solve each problem. Draw a diagram to help.

1. Wayne is building a birdhouse. He is cutting a board as shown. What is the angle measure of the piece left over?

Draw a bar model to represent the problem.

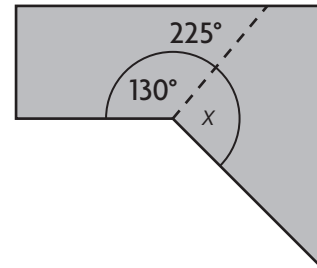


$$\begin{aligned} x + 120^\circ &= 180^\circ \\ x &= 180^\circ - 120^\circ \\ x &= 60^\circ \end{aligned}$$



 60°

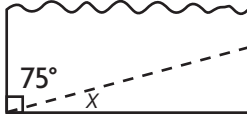
2. An artist is cutting a piece of metal as shown. What is the angle measure of the piece left over?



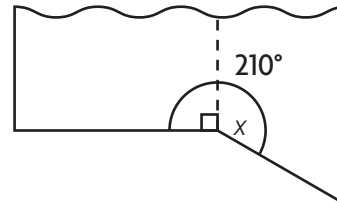
3. **WRITE** *Math* Give one example of when you would draw a diagram to solve an angle measurement problem.

Lesson Check

4. Angelo cuts a triangle from a sheet of paper as shown. What is the measure of $\angle x$ in the triangle?



5. Cindy cuts a piece of wood as shown. What is the angle measure of the piece left over?



Spiral Review

6. Tyrone worked 21 days last month. He earned \$79 each day. How much did Tyrone earn last month?

7. Meg inline skated for $\frac{7}{10}$ mile. Write this distance as a decimal.

8. Kerry ran $\frac{3}{4}$ mile. Sherrie ran $\frac{1}{2}$ mile. Marcie ran $\frac{2}{3}$ mile. List the friends in order from who ran the least distance to who ran the greatest distance.

9. What is the measure of $\angle ABC$?

