

Name _____

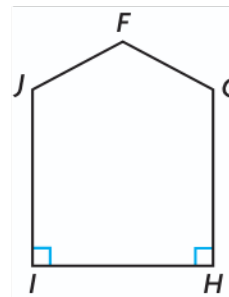
Chapter Review

1. Tell whether each angle is acute, right, or obtuse.

$\angle F$ is _____

$\angle G$ is _____

$\angle H$ is _____



2. Match the measure of each $\angle C$ with the measure of $\angle D$ that forms a straight angle.

$\angle C$

$\angle D$

122° ●

35° ●

62° ●

105° ●

● 145°

● 75°

● 148°

● 58°

● 55°

● 118°

3. Katie drew an obtuse angle. Which could be the measure of the angle she drew? Mark all that apply.

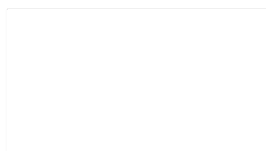
(A) 35°

(C) 180°

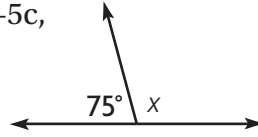
(B) 157°

(D) 92°

4. Using the ray, draw another ray with the same vertex to create a right angle.



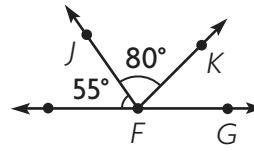
5. Renee drew the figure shown. For Problems 5a–5c, choose Yes or No to tell whether the statement is true.



- 5a. The measure of a straight angle is 180° . Yes No
- 5b. To find the measure of x , Renee can subtract 75° from 180° . Yes No
- 5c. The measure of x is 115° . Yes No

6. They drew this figure with a protractor.

Part A



Write an equation that can be used to find $m\angle KFG$.

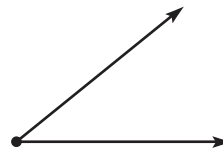
Part B

What is the measure of $\angle KFG$? Describe how you solved the equation and how you can check your answer.

7. Use a protractor to find the measure of the angle. Classify it.

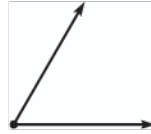
The angle measures _____.

It is a/an _____ angle.



Name _____

8. Alex drew this angle.
Which describes the angle?
Mark all that apply.

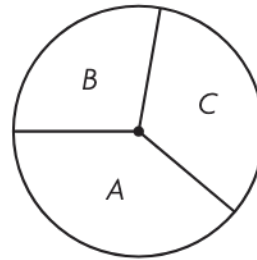


- (A) right angle (C) acute angle
 (B) less than 90° (D) more than 90°

9. Describe the angle shown in the image. How would you classify it?



10. Use a protractor to find the measure of each angle. Write each angle and its measure in a box ordered by the measure of the angles from least to greatest.



Angle: _____

Measure: _____

Angle: _____

Measure: _____

Angle: _____

Measure: _____

11. Use numbers and symbols on the tiles to write an equation that can be used to find the measure of the unknown angle.

What is the measure of the unknown angle? _____

12. Choose the word and angle measure to complete a true statement about $\angle JKL$.

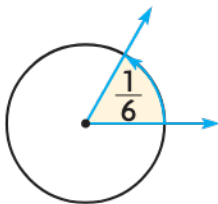


$\angle JKL$ is a(n) acute obtuse right angle that has a measure of 60° 120° 135°.

13. Circle at least one acute, obtuse, straight, and right angle in the picture. Choose two to explain how you can use benchmark angles to estimate angle size.



14. An angle turns through $\frac{1}{6}$ of a circle. What is the measure of the angle?



15. Write the letter for each angle measure in the correct box.

- A** 125° **B** 90° **C** 180° **D** 30° **E** 45° **F** 95°

acute	obtuse	right	straight
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Name _____

16. For Problems 16a and 16b, circle the words that make a true statement about the figure.

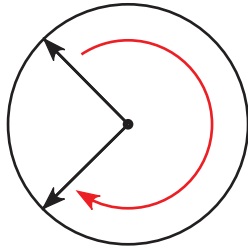


Figure 1

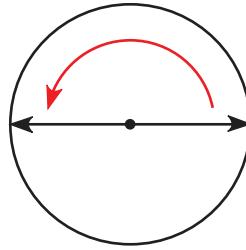


Figure 2

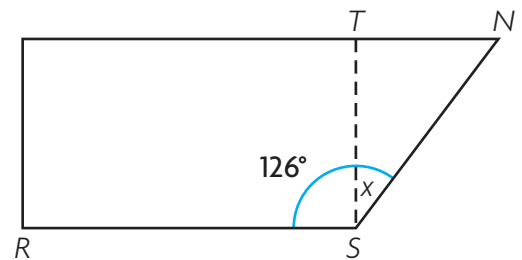
16a. Figure 1 is _____ angle.

an acute
an obtuse
a reflex
a right
a straight

16b. Figure 2 is _____ angle.

an acute
an obtuse
a reflex
a right
a straight

17. Melanie cuts a rectangle out of a piece of scrap paper as shown. She wants to calculate the angle measure x of the piece that is left over.



Part A

Draw a bar model to represent the problem.

Part B

Write and solve an equation to find x .

The angle measures _____.

18. Two angles, $\angle A$ and $\angle B$, form a right angle. $\angle A$ measures 32° . For Problems 18a–18c, choose True or False for the statement.

18a. $\angle B$ is an acute angle. True False

18b. The equation $180^\circ - 32^\circ = x$ can be used to find the measure of $\angle B$. True False

18c. The measure of $\angle B$ is 58° . True False

19. A circle is divided into parts. Which sum could represent the angle measures that make up the circle? Mark all that apply.

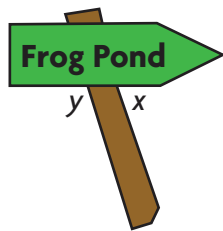
(A) $120^\circ + 120^\circ + 120^\circ + 120^\circ$

(B) $25^\circ + 40^\circ + 80^\circ + 105^\circ + 110^\circ$

(C) $33^\circ + 82^\circ + 111^\circ + 50^\circ + 84^\circ$

(D) $40^\circ + 53^\circ + 72^\circ + 81^\circ + 90^\circ + 34^\circ$

20. Use a protractor to find the measures of the unknown angles.



$m\angle x =$ _____

$m\angle y =$ _____

What do you notice about the measures of the unknown angles? Is this what you would have expected? Explain your reasoning.