

Naming Angles



Quick Review

An angle is formed when 2 lines meet.

right angle

straight angle

An **acute angle** is less than a right angle.

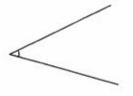
An **obtuse angle** is greater than a right angle, but less than a straight angle.

A **reflex angle** is greater than a straight angle.

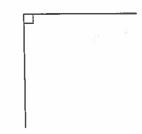
Try These

1. Name each angle as a right, acute, obtuse, straight, or reflex angle.

a)



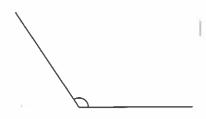
b)



c)



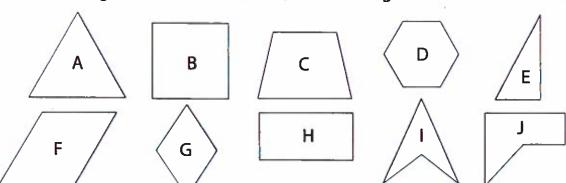
d)



Practice

- 1. List the shapes with:

 - a) a right angle ______ b) an obtuse angle _____
 - c) an acute angle ______ d) a reflex angle _____



2. Name each angle.

a)



b)





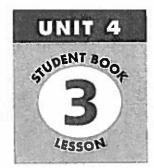
d)



Stretch Your Thinking

Think about the angles formed by the hour hand and the minute hand on a clock. Write a time when the angle is:

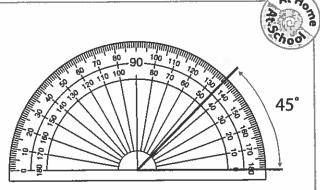
- a) an acute angle _____
- b) an obtuse angle _____
- c) a right angle ______
- d) a reflex angle ______



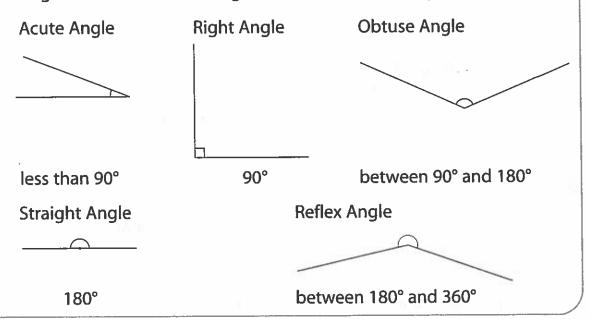
Measuring Angles

Quick Review

➤ A standard protractor shows angle measures from 0° to 180°, both clockwise and counterclockwise. The measure of this angle is 45°.



➤ Angles are named according to their measures in degrees.



Try These

1. Use a protractor to measure each angle. Record the measurements.

a)



b)

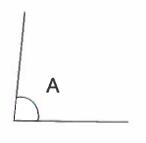
c)

Practice g

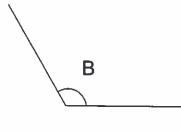
1. Measure each angle. Record the measurements in the chart.

a)

c)



b)



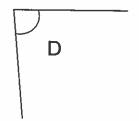
Angle Measure
A
B
C

D

_



d)

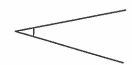


2. Estimate the size of each angle. Measure and record each angle size.

a)



b)



c)



Estimate: _____

Estimate: _____

Estimate: ____

Measure: _____

Measure: _____

Measure: _____

- 3. Name each angle in question 2 as acute, right, obtuse, or reflex.
 - a) _____

6		
~	 _	

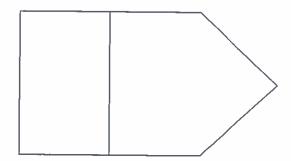
Stretch Your Thinking

How many of each kind of angle can you find in this picture?
Mark each kind in a different colour.









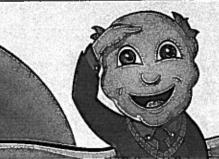
		DITE	
NAME:		DATE:	

What happened when the man stayed upall night looking for the sun?



Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.

Note: The problem numbers match the numbered rectangles.



/ / ung.c g	reater than 90° i	s a(n)	angle.	(2)	An angle th	at measures 4	2º is a(n)	
night ?	Dacute	(H) obtuse	straight		A right	N acute	(3) obtuse	3 straight
Two right a	ngles adjacent to	each other make	a(n)angle	. 4	A right angl	le measures e	cactly	degrees.
O right	(B) acute	M obtuse	straight		G 45°	D 90°	■ 180°	1 360°
se Diagram A	to solve probler	ns 5–8:				5779	DI	AGRAM A
5) Angle F is	a(n) ;	angle.	6	Angle H is	a(n)	angle.		
_	O acute (1)		aight	A right	N acute	Pobtuse	a straight	E F
	nd Angle G toge angle.	ther create	8	Angle E a a(n)	nd Angle F to angle.	ogether create	· •	Н
K right	Pacute B	obtuse 1 st	raight	A right	G acute	M obtuse	O straight	T
	the angles to the		te angle? W	∫ →	€	`	t angle, what is the	neasure of Angl
Angle An	(N) 29°	19º	R 119°			0		-
-	angles ad	ded together AL	WAYS make a straig	ght (1	Which kin	d of angle is g	reater than 90°?	(F) straight
Two angle. Madjac	ent 1 righ	t Nacut	e E obtuse					
angle. Madjac				or. What l	aind of anole	is this?		
angle. Madjac	It a chair whose		angle with the flo	or. What l	kind of angle	is this?		

Skill: Identifying acute, obtuse, and right angles

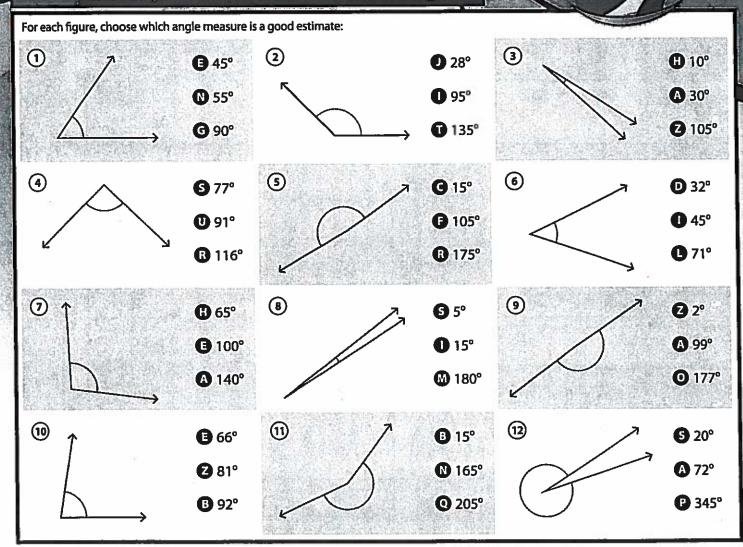
What did Jessie say when she learned her class was taking a field trip to the soda factory?





Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.

Note: The problem numbers match the numbered rectangles.



What did the cartoonist's boss say when he was unhappy with his latest drawing?



Solve the following problems and match your answers to the answers in the Legend. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle. Note: The problem numbers match the numbered rectangles.

- ₩ 28°
- **A** 132°
- 147°
- **①** 158°
- **G** 193° 1 220°

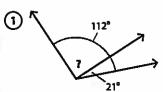
1 76°

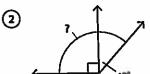
D 107°

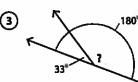
- B 99° **G** 90°
- (D) 11° **B** 13°
- **(1)** 91° **1**70°
- LEGEND,

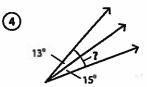


Find the missing angle measure:

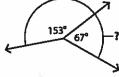




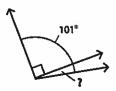


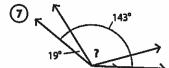


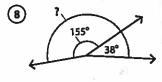
(5)



(6)

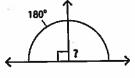


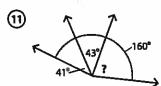


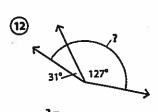


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(10)







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NAME:		DATE:	The same of the sa		
Mary Ald Alon Leoltt	to a Woman tak	e farever) /		
why did the knitt in the craft stor	ind monimit tare	6 LOVENCE		1	
n the craft stor	₹€ ?		72		, Y ",
Solve the following p	problems in the sections below.	Then record			1)/
the corresponding le	etter of the correct answer in the	e rectangles at	1		11
DIRECTIONS	numbers match the numbe	red rectangles.			
		and the state of t			recont (
1) Angles that are complementa		2 Angles tha	it are supplementar	y sum to	<u>_</u> ·
B 75° G 90° P 1	180° (3 360°	€ 75°	B 90° G 1	80° (3 60°	
	to a special color	(A) 51-4-14		5-1 and l	
3) Find the angle supplementary		_	ngle complementar		a.
G 15° T 69° B 7	79° A 91°	A 80°	1 90° 3 1	170° R 350°	
S A ∢ABC and ❖	CBD are: 6 p	∢DEF and ∢FEG	are: (7) A	₹ POE	Rand ⊄RQS are:
(H) comple	Tong the Art of the State of th	Complement		ر کر ا	complementary
Supple	200	D supplementa	Mark I		supplementary
$B \xrightarrow{25^{\circ}} D$ neither	90°	G neither		ų –	neither
			在新 注 PT		
8 Which two angles are comple	ementary?	Which two	angles are suppler	nentary?	
1 36° and 54° W 72° a	and 108°	M 81° and	d 9° 202° a	and 68° W 11	15° and 65°
SUB-LINEVA MARTINAS CASE	1		-,		
$B \xrightarrow{16^{\circ}} A$	Use the angles on the left to s	olve problems 10–1	5:		
°	(10) What angle is compleme	ntary to ≮ABC ?	(11) What angle	is supplementary	/to ∢ABC ?
	B 164°	№ 74°	S 164°	1 84° W	74°
	_		_	_	
157° K → L					
	(12) What angle is supplemen	ntary to ∢JKL ?	(13) What angle	is supplementary	/to ∢TUV ?
1	② 23°	103°	₽ 90°	_65	270°
		155		0.54	
u b → v	AT A STATE OF THE				
	(14) What angle is compleme	entary to ∢EFG ?	(15) What angle	is supplementary	vto ∢EFG ?
是一个一个人,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	Al				



5 85° **®** 175° **2** 265°



Skill: Identifying complementary and supplementary angles