

4.MD.C.7

ADDITIVE ANGLE MEASURES

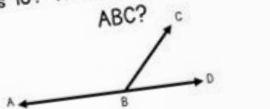
TASK CARDS

ANSWER SHEET

Name: _____ Date: _____

Card #	Answer
1.	
2.	
3.	
4.	
5.	
6.	
7.	

5 Additive Angle Measures
Angle ABD is a straight angle. Angle CBD measures 48° . What is the measure of angle ABC?



a. 132° c. 52°
b. 90° d. 120°

6 Additive Angle Measures
Angle CDE is a right angle. Angle CDE measures 37° . What is the measure of angle EDF?



a. 63° c. 48°
b. 82° d. 53°

3 Additive Angle Measures

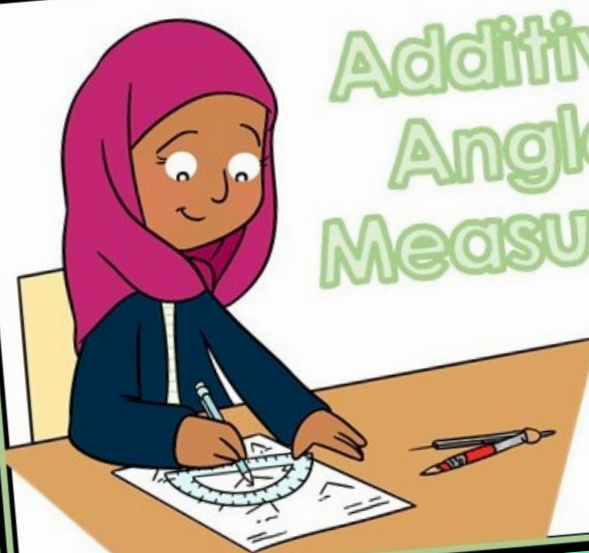
Angle KLP measures 110° .
What is the measure of angle LKP?

Additive Angle Measures CHALLENGE

Mia is repairing a wooden fence that is 100 feet long. The total angle where the fence is bent is 180° . The broken fence is divided into three sections. The first section forms an angle of 80° . The second section forms an angle of 70° . The third section is unknown.

Write an equation to represent the problem. Solve for the missing angle.

Additive Angle Measures



18 Additive Angle Measures

Use the following equation to determine the angle measurement:
 $22^\circ + 19^\circ = x$

- a. 41° c. 41°
b. 50° d. 50°

A playground slide forms a total angle of 150° . If the top part of the slide forms a 95° angle with the ground, what is the angle formed by the bottom part of the slide?

45°

55°

65°

35°

PRINTABLE AND DIGITAL

Mag
CORE

- 30 PRINT-AND-GO TASK CARDS
- READY TO USE FOR CENTERS

13 Additive Angle Measures

Use the following equation to determine the missing angle measurement:

$$87^\circ - x^\circ = 42^\circ$$

a. 37°

b. 58°

c. 60°

d. 45°

14 Additive Angle Measures

Use the following equation to determine the missing angle measurement:

$$x^\circ + 102^\circ = 136^\circ$$

a. 47°

b. 34°

c. 30°

d. 32°

15 Additive Angle Measures

Use the following equation to determine the missing angle measurement:

$$x^\circ + 102^\circ = 136^\circ$$

a. 47°

b. 34°

c. 30°

d. 32°

16 Additive Angle Measures

Use the following equation to determine the missing angle measurement:

$$x^\circ + 102^\circ = 136^\circ$$

a. 47°

b. 34°

c. 30°

d. 32°



ANSWER SHEET			
Name: _____		Date: _____	
Card #	Answer	Card #	Answer
1.		16.	
2.		17.	
3.		18.	
		19.	
		20.	
		21.	
		22.	
		23.	
		24.	
		25.	
		26.	
		27.	
		28.	
		29.	
		30.	



21 Additive Angle Measures

Emilio draws a straight line and marks two angles on it. One angle measures 110° , and the other is unknown. What is the measure of the missing angle?

a. 10°

b. 50°

c. 30°

d. 70°

22 Additive Angle Measures

A road sign forms an angle of 150° . If it is split into two angles where one angle is 85° . What is the measure of the second angle?

a. 65°

b. 72°

c. 75°

d. 45°

23 Additive Angle Measures

A clock shows an angle of 90° between its hands at 3:00 PM. If one hand moves 20° , what is the new angle between the hands?

a. 100°

b. 110°

c. 120°

d. 105°

24 Additive Angle Measures

A park bench forms a 120° angle between the backrest and the seat. If the seat is adjusted to be 30° steeper, what will be the new angle?

a. 90°

b. 150°

c. 130°

d. 140°



SELF CORRECTING, INCLUDES REPORTING CERTIFICATE

17 Additive Angle Measures

Use the following equation to determine missing angle measurement:
 $284^\circ - x^\circ = 205^\circ$

a. 68° c. 79°
b. 91° d. 82°

18 Additive Angle Measures

Use the following equation to determine missing angle measurement:
 $165^\circ + x^\circ = 292^\circ$

a. c.
b. d.

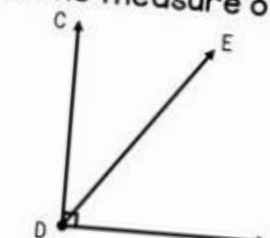
5 Additive Angle Measures

Angle ABD is a straight angle. Angle CBD measures 48° . What is the measure of angle ABC?



6 Additive Angle Measures

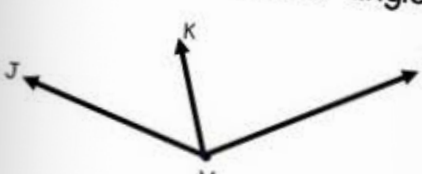
Angle CDF is a right angle. Angle CDE measures 37° . What is the measure of angle EDF?



a. 63° c. 48°
b. 82° d. 53°

Additive Angle Measures

JMK measures 36° . Angle KML measures 110° . What is the measure of angle JML?



a. 132° c. 147°
b. 120° d. 110°



 A clock's hands form an angle at 4:00. If the minute hand moves 32° forward, and the new angle becomes 120° , what was the original angle?

88°

86°

92°

79°



SHUFFLES CARDS, SO STUDENTS
CAN PRACTICE MORE THAN ONCE

The image displays a collection of educational resources for angle measurement. In the foreground, a tablet screen shows a feedback message: "INCORRECT" with "The correct answer is 87° " and a "CONTINUE" button. Behind the tablet, several math cards are visible. One card, titled "ANSWER SHEET", contains a table for recording answers. Another card, "Additive Angle Measures CHALLENGE", presents a word problem about a fence and asks for an equation. Other cards show problems involving straight lines and angles, such as "Emilio draws a straight line and marks two angles on it. One angle measures 110° , and the other is unknown. What is the measure of the missing angle?" and "A road sign forms an angle of 150° . If it is split into two angles, one angle is 85° . What is the measure of the other angle?". A diagram of a road sign is also shown. A blue pencil case with colorful pencils and a blue eraser is positioned in the bottom right corner.

Card #	Answer
1.	
2.	
3.	
4.	

Additive Angle Measures CHALLENGE

Mia is repairing a wooden fence that has been bent. The total angle where the fence is bent is 210° . The broken fence is divided into three sections.

- The first section forms an angle of 87° .
- The second section forms an angle of 65° .
- The third section is unknown.

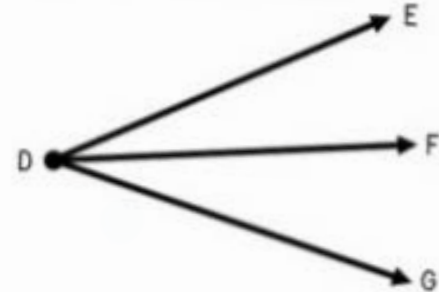
Write an equation to represent the problem, then solve for the missing angle.

15.

STANDARDS ALIGNED

2 Additive Angle Measures

Angle DEF measures 23° . Angle FDG measures 25° . What is the measure of angle FDG?



- a. 45°
- b. 43°
- c. 48°
- d. 35°

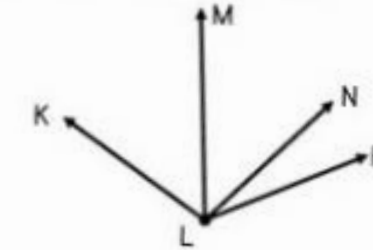
27 Additive Angle Measures

A playground slide forms a total angle of 150° . If the top part of the slide forms a 95° angle with the ground, what is the angle formed by the bottom part of the slide?

- a. 45°
- b. 65°
- c. 55°
- d. 35°

3 Additive Angle Measures

Angle KLP measures 110° . Angle PLN measures 15° . What is the measure of angle KLN?



- a. 45°
- b. 95°
- c. 90°
- d. 100°

18 Additive Angle Measures

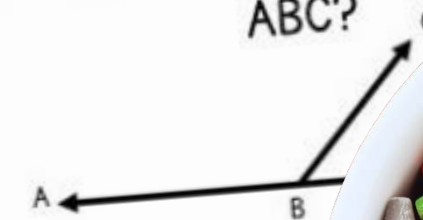
Use the following equation to determine the full angle measurement:

$$22^\circ + 19^\circ = x$$

- a. 36°
- b. 50°
- c. 36°
- d. 45°

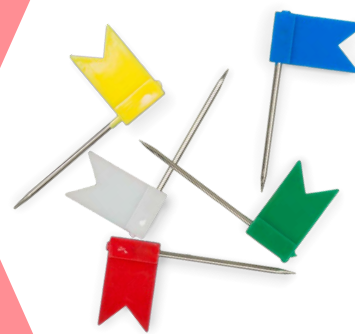
5 Additive Angle Measures

Angle ABD is a straight angle. Angle CBD measures 48° . What is the measure of angle ABC?



- a. 132°
- b. 90°

USE OVER AND OVER FOR CENTERS, GAMES, AND REVIEW



18 Additive Angle Measures

Use the following equation to determine the missing angle measurement:
 $22^\circ + 19^\circ = x$

Additive Angle Measures

CHALLENGE

ANSWER SHEET

Date: _____

Name: _____

Card #	Answer	Card #
1.		16.
2.		17.
3.		18.
4.		19.
5.		20.
6.		21.
7.		22.
8.		23.

5 Additive Angle Measures

Angle ABD is a straight angle. Angle CBD measures 48° . What is the measure of angle ABC?

6 Additive Angle Measures

Angle CDF is a right angle. Angle CDE measures 37° . What is the measure of angle EDF?

a. 63° c. 48°
b. 82° d. 53°

It has broken at an angle. The bent is 213° . She noticed it was divided into 3 parts: the first of 87° , the second of 65° . What is the measure of the third angle? If you solve the problem, then solve for x.

13 Additive Angle Measures

Use the following equation to determine the missing angle measurement:
 $87^\circ - x^\circ = 42^\circ$

a. 37° c. 60°
b. 58° d. 45°

14 Additive Angle Measures

Use the following equation to determine the missing angle measurement:
 $x^\circ + 102^\circ = 136^\circ$

a. 47° c. 30°
b. 34° d. 32°

8 Additive Angle Measures

Angle JMK measures 36° . Angle KML measures 84° . What is the measure of angle JML?

a. 132° c. 147°
b. 120° d. 110°

Additive Angle Measures

Angle KLP measures 110° . Angle PLM measures 45° . What is the measure of angle KLM?

a. 45°
b. 95°

15 Additive Angle Measures

Use the following equation to determine the missing angle measurement:
 $x^\circ - 21^\circ = 94^\circ$

a. 115° c. 104°
b. 122° d. 119°

16 Additive Angle Measures

Use the following equation to determine the missing angle measurement:
 $64^\circ + 10^\circ = x^\circ$

a. 154° c. 172°
b. 187° d. 172°

Additive Angle Measures

Angle FDG measures 110° . Angle GDE measures 45° . What is the measure of angle FDE?

a. 45° c. 48°
b. 43° d. 35°

