LESSON MAKER PRO

Angle Action

Measure and sketch angles in degrees.

GRADE 4 · 4.MD.C.6

CCSS.Math.Content.4.MD.C.6 "Measure angles in whole-number degrees using a protractor. Sketch angles of specified measure."

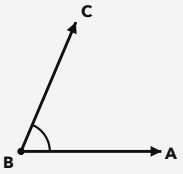
NAME _____ DATE _____

MEASURE AN ANGLE

Place the protractor center on the angle's vertex. Line up 0° with one ray, then read the number where the other ray crosses the scale.

WORKED EXAMPLE

Use a protractor to measure angle ABC.

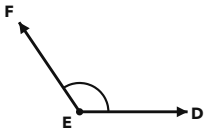


1. Put the center mark on B.
2. Line up 0° with ray BA.
3. Read 67° at ray BC.

Answer: 67°

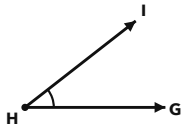
PRACTICE 4 problems

1 Use a protractor to measure angle DEF.



ANSWER _____

2 Use a protractor to measure angle GHI. Then name it acute, right, or obtuse.



ANSWER _____

3 Use a protractor to sketch and label a 95° angle.

ANSWER _____

4 Use a protractor to sketch and label a 150° angle.

ANSWER _____

APPLY IT Show your work

1 At a skate park, a rider plans a 72° turn around a cone. Sketch and label the turn.

WORK SPACE

ANSWER _____

2 In a game, a robot needs to turn 145° total. It has already turned 90°. How many more degrees must it turn? Sketch and label that angle.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Draw two angles that make a straight angle. One angle is 65°. What is the other angle? Explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Angle Action

GRADE 4 · 4.MD.C.6

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Use a protractor to measure angle DEF.	**124°**
2	Use a protractor to measure angle GHI. Then name it acute, right, or obtuse.	**38°, acute**
3	Use a protractor to sketch and label a 95° angle.	**A labeled 95° angle.**
4	Use a protractor to sketch and label a 150° angle.	**A labeled 150° angle.**

PART 2 · APPLY IT

1. **A labeled 72° angle.** Sketch an angle with a 72° opening and label it 72°.
2. **55°; a labeled 55° angle.** Subtract 90° from 145°. The remaining turn is 55°.

CHALLENGE

115°, because 65° + 115° = 180°.

Accept correctly drawn angles that match the stated measure, with reasonable protractor accuracy. For the challenge, accept an explanation that a straight angle measures 180°.