LESSON MAKER PRO

Angle Drawing Lab

Use a protractor to make exact angles.

GRADE 4 · TEKS 4.7.D

4.7.D "draw an angle with a given measure; and"

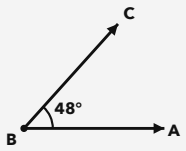
NAME _____ DATE _____

DRAW IT EXACTLY

Put the protractor's center on the vertex. Mark the needed degree, then draw a ray from the vertex through the mark.

WORKED EXAMPLE

Draw an angle that matches the marked angle.

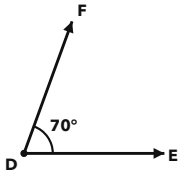


1. Draw one ray with endpoint B.
2. Put the protractor center on B.
3. Mark 48° and draw the second ray.

Answer: A 48° angle.

PRACTICE 4 problems

1 Draw an angle that matches the marked angle.

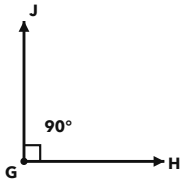


ANSWER _____

2 Draw an obtuse angle measuring 125°.

ANSWER _____

3 Draw an angle that matches the marked angle.



ANSWER _____

4 Draw an acute angle measuring 35°.

ANSWER _____

APPLY IT Show your work

1 A game character turns 110° to face a treasure chest. Draw the angle of the turn.

WORK SPACE

ANSWER _____

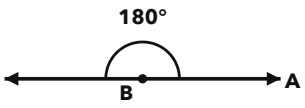
2 Noah is making a lightning-bolt logo. Two rays in the logo meet at 55°. Draw that angle.

WORK SPACE

ANSWER _____

CHALLENGE One step up

The figure is a straight angle. Draw a ray from B to split it into a 68° angle and one other angle. Label the other angle.



WORK SPACE AND ANSWER

ANSWER KEY

Angle Drawing Lab

GRADE 4 · TEKS 4.7.D

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Draw an angle that matches the marked angle.	**A 70° angle.**
2	Draw an obtuse angle measuring 125°.	**A 125° angle.**
3	Draw an angle that matches the marked angle.	**A 90° angle.**
4	Draw an acute angle measuring 35°.	**A 35° angle.**

PART 2 · APPLY IT

1. **A 110° angle.** Draw one ray for the starting direction. Measure and draw the second ray 110° from it.
2. **A 55° angle.** Draw one ray from a vertex. Use a protractor to mark 55° and draw the second ray.

CHALLENGE

A straight angle split into 68° and 112°.

Accept accurately drawn angles with rays meeting at one vertex. For the challenge, accept 112° because 180° - 68° = 112°.