

Grade 4 - Measuring and Drawing Angles - Test

Common Core 4.MD.C.5, 4.MD.C.6, 4.MD.C.7 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This test has 8 questions worth 20 points. Allow 45 minutes. You need a protractor for questions 3 and 4. Write the degree sign with every angle measure, and show your work for the unknown-angle problems.

About this test

- Grade: Grade 4
- Chapter: Measuring and Drawing Angles
- Standards: 4.MD.C.5, 4.MD.C.6, 4.MD.C.7
- Time: 45 minutes
- Total: 20 points

Question 1 - Turns and degrees [2 pts]

- How many degrees are in a quarter turn? (1 point)
- How many degrees are in a three-quarter turn? (1 point)

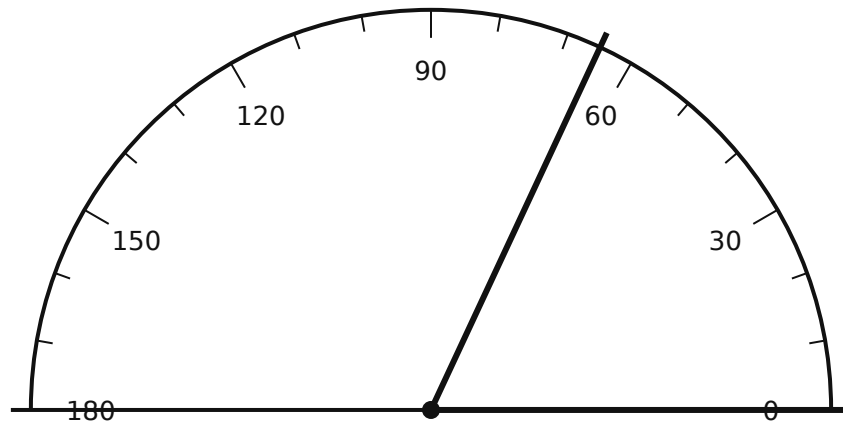
Question 2 - Classify angles [2 pts]

Write *acute*, *right*, or *obtuse*.

- 62° (1 point)
- 108° (1 point)

Question 3 - Use the protractor [2 pts]

Use the protractor to measure the angle.



Measure the angle.

- a. What is the measure of the angle? (1 point)
- b. Is it acute, right, or obtuse? (1 point)

Question 4 - Draw an angle [2 pts]

Use a protractor to draw a 150° angle. The vertex and one ray are drawn for you.

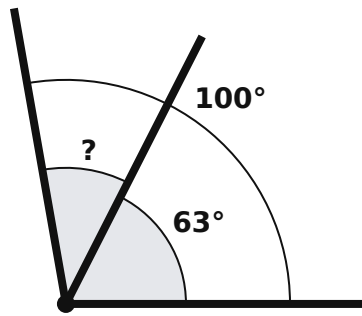


Draw the second ray.

(2 points)

Question 5 - Split angle [3 pts]

Angle PQR measures 100° . A ray QS splits it into two angles, and angle PQS measures 63° .

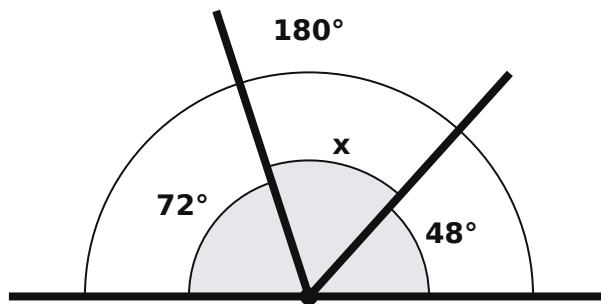


Angle PQR.

- Find the measure of angle SQR. (2 points)
- Is angle PQR acute, right, or obtuse? (1 point)

Question 6 - Angles on a line [3 pts]

Three angles sit together on a straight line, as shown.

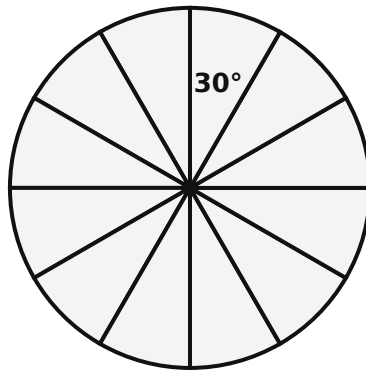


Angles on a line.

- Find the measure of angle x. (2 points)
- Is x acute, right, or obtuse? (1 point)

Question 7 - Pizza party [3 pts]

A pizza is cut into 12 equal slices.

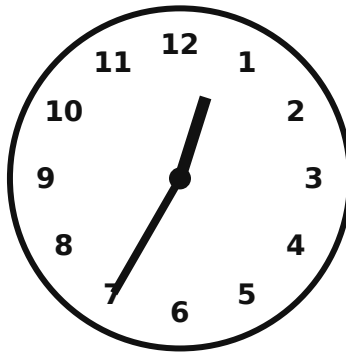


A pizza with 12 equal slices.

- What is the angle of one slice? (1 point)
- Jamal eats 5 slices. What is the total angle of those slices? (1 point)
- What is the total angle of the slices left? (1 point)

Question 8 - Clock turns [3 pts]

The minute hand starts at 12 and turns to 7. Each number on the clock is 30° from the next.



Minute hand at 7.

- How many degrees does the minute hand turn? (1 point)
- How many more degrees to complete a full turn back to 12? (1 point)
- At 4:00, what is the angle between the hour hand and the minute hand? (1 point)