

Max's Magnificent Maths: The Angle Adventure

Learning objective: To identify, estimate, and measure angles, and understand properties of angles around a point and on a straight line.

Max the monkey is exploring the forest and needs your help to measure the angles he finds in the branches and leaves! Read each question carefully and circle your answer or write it in the space provided.

Answer Key: 1. B, 2. True, 3. 90 degrees, 4. Obtuse, 5. False (it is 180 degrees), 6. 360, 7. Acute, 8. 135 degrees, 9. False, 10. 45 degrees.

Word bank: Acute · Obtuse · Reflex · Right angle · Degrees · Protractor · Straight line

1. 1. Max finds a leaf with an angle of 45 degrees. What type of angle is this? A) Right angle B) Acute C) Obtuse D) Reflex (1 mark)

2. 2. True or False: A right angle is exactly 90 degrees. (1 mark)

3. 3. If you turn a full circle, how many degrees have you turned? (Write the number) (1 mark)

4. 4. An angle that is greater than 90 degrees but less than 180 degrees is called a(n) _____ angle. (1 mark)

5. 5. True or False: Angles on a straight line add up to 90 degrees. (1 mark)

6. 6. Max is spinning around a tree. If he completes a full turn, how many degrees is that? (1 mark)

7. 7. Which is smaller: an acute angle or an obtuse angle? (1 mark)

8. 8. If you have a straight line (180 degrees) and you remove a 45-degree angle from it, what is the remaining angle? (Write the number of degrees) (1 mark)

9. 9. True or False: You use a ruler to measure the size of an angle in degrees. (1 mark)

10. 10. If a right angle is split into two equal parts, what is the size of each angle? (1 mark)

Draw: Draw a picture of Max the monkey sitting in a tree. Include one acute angle, one right angle, and one obtuse angle formed by the tree branches. Label them clearly.



Extension challenge: Max wants to buy some protractors for his friends! If one protractor costs £1.25, how much would it cost to buy 6 protractors for the other animals?