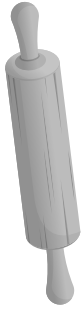


Classifying Angles

1. Draw lines to match each angle to the correct classification.



Number of degrees
90
180
100
360
45
280

Classification
Obtuse angle
Right angle
Straight line
Acute angle
Reflex angle
Whole turn



2. Using the lines below, draw another line to make an angle that matches the description given.

a) Acute angle

b) Obtuse angle

c) Reflex angle



d) Fill in the final column of the table to show the largest possible whole number angle.

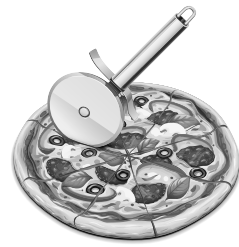
Type of angle	Smallest angle	Largest angle
Acute	1°	
Obtuse	91°	
Reflex	181°	



Classifying Angles

3. Aisha is slicing round pizzas.

Write whether these statements about cutting pizzas are always, sometimes or never true.



Statement	Always, Sometimes or Never True
Two reflex angles of pizza is more than one whole pizza.	
It is possible to have more than four right angles in one whole round pizza.	
If I take an obtuse angle from a whole pizza, there are at least two right angles of pizza remaining.	
If I take a right angle of pizza from a reflex angle, there will still be at least an obtuse angle of pizza remaining.	
If I slice an acute angle of pizza from an obtuse angle, I will have an exact right angle of pizza.	

You can use this space to draw diagrams to check your answers.



Classifying Angles

Answers

1. Draw lines to match each angle to the correct classification.

Number of degrees		Classification
90		Obtuse angle
180		Right angle
100		Straight line
360		Acute angle
45		Reflex angle
280		Whole turn

2. Using the lines below, draw another line to make an angle that matches the description given.

a) Acute angle

b) Obtuse angle

c) Reflex angle

Lines drawn with a ruler and angle markers drawn on at the appropriate side to show the angle of turn as follows:

a) Between 1 and 89 degrees

b) Between 91 and 179 degrees

c) Between 181 and 359 degrees

d) Fill in the final column of the table to show the largest possible whole number angle.

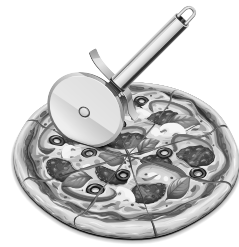
Type of angle	Smallest angle	Largest angle
Acute	1°	89°
Obtuse	91°	179°
Reflex	181°	359°

Classifying Angles

Answers

3. Aisha is slicing round pizzas.

Write whether these statements about cutting pizzas are always, sometimes or never true.



Statement	Always, Sometimes or Never True
Two reflex angles of pizza is more than one whole pizza.	Always True
It is possible to have more than four right angles in one whole round pizza.	Never True
If I take an obtuse angle from a whole pizza, there are at least two right angles of pizza remaining.	Always True
If I take a right angle of pizza from a reflex angle, there will still be at least an obtuse angle of pizza remaining.	Always True
If I slice an acute angle of pizza from an obtuse angle, I will have an exact right angle of pizza.	Sometimes True

You can use this space to draw diagrams to check your answers.

