Triangular Tables

scalene	isosceles	equilateral
DFH All sides are equal	ACE Two sides are equal	BG 3 sides are equal

	scalene	isosceles	equilateral
acute 3 angles are less than 90°	D I	A	G B
right when 1 of the angles is 90°	F	E	
obtuse 1 angle is more than 90°	H	C	

Triangular Tables

No equal sides 2 sides equal 3 sides equal

scalene	isosceles	equilateral
D. F. H.	A. C. E.	B. G.

	scalene	isosceles	equilateral
acute	D	A	G B
right	F	E	
obtuse	H.	C	

all sides are a different length

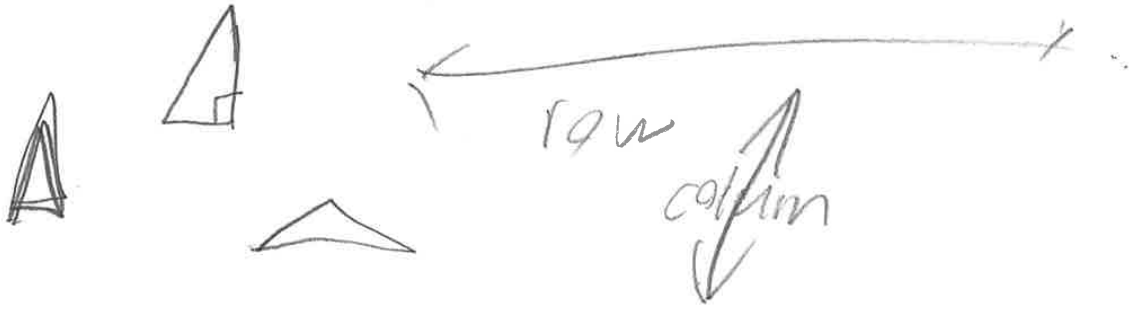
Triangular Tables

two sides same and one different

all sides the same length

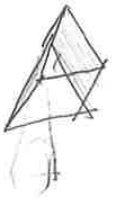
scalene	isosceles	equilateral
A ~~C~~ D ~~E~~ F ~~G~~ H	A C E	B G

	scalene	isosceles	equilateral
acute	D	A	B G
right	F	~~E~~	
obtuse	H	C	



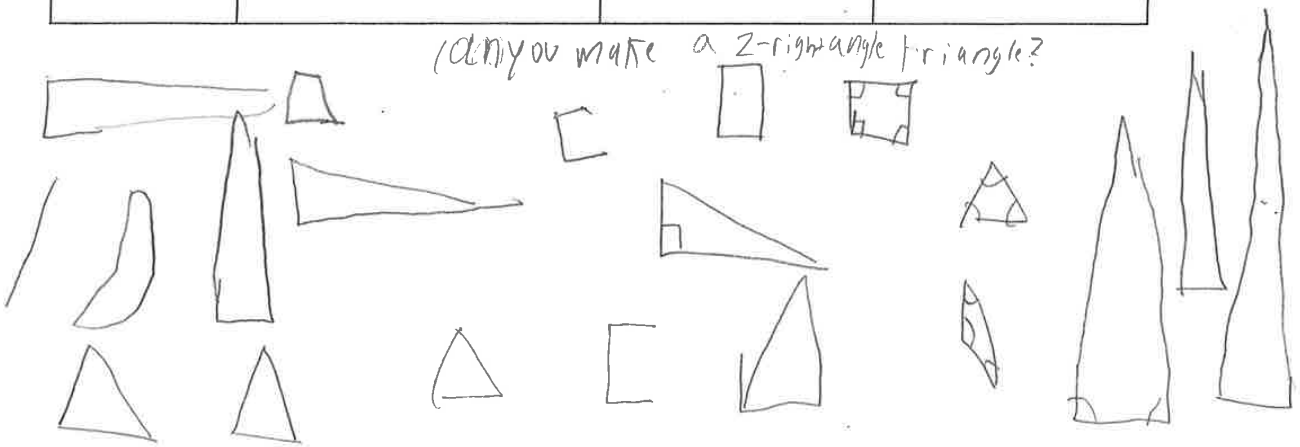
Triangular Tables

scalene	isosceles	equilateral
D F H	△ A C E	△ B G



	scalene	isosceles	equilateral
acute	D ✓	A ✓	B G ✓
right	F	F	
obtuse	H	C ✓	

Can you make a 2-right angle triangle?



Triangular Tables

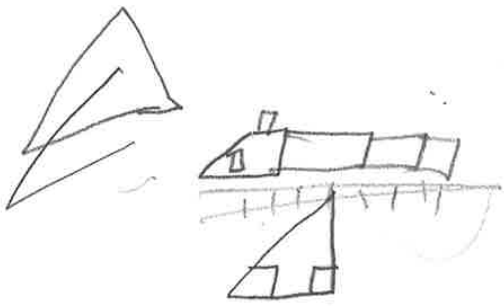
scalene	isosceles	equilateral
D, F, H	A, C, E, I	B, G

	scalene	isosceles	equilateral
acute	D	A	B, G
right	F	E	
obtuse	H	C	

Triangular Tables

scalene	isosceles	equilateral
~~A~~ ~~C~~ D F H	A C E	B G

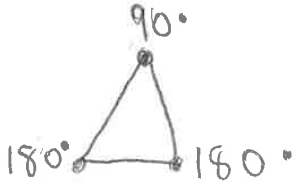
	scalene	isosceles	equilateral
acute	D	A	B G
right	F	E	
obtuse	H	C	



Triangular Tables

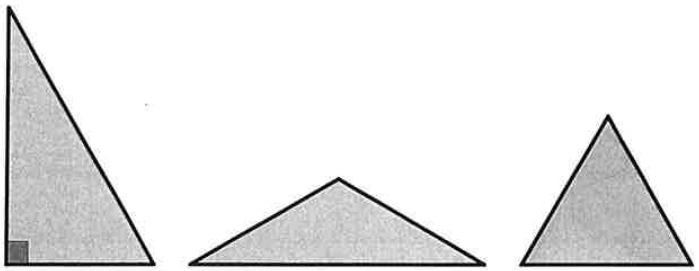
scalene	isosceles	equilateral
D F H	A C E	B G

	scalene	isosceles	equilateral
acute	D	A	B G
right	F	E	
obtuse	H	C	



Triangular Tiles

A game company makes sets of tiles. There are 3 different triangular tiles that can be arranged in many ways to make designs.



1 2 3

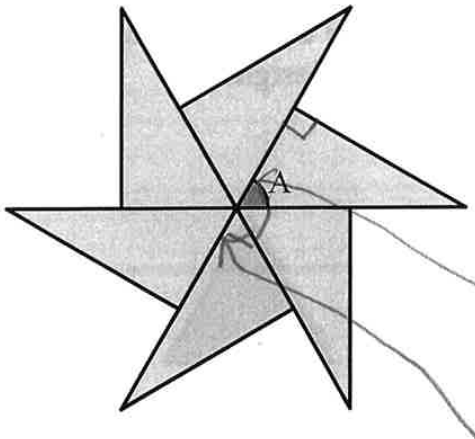
1. Which triangle tile has an obtuse angle?

2

2. Each triangle tile can be classified by side length and angle type. Write the number of each of the three triangles in the correct place in the chart.

	scalene	isosceles	equilateral
acute			3
right	1		
obtuse		2	

3. Triangle 1 can be used to make a pinwheel design. What is the measure of Angle A?

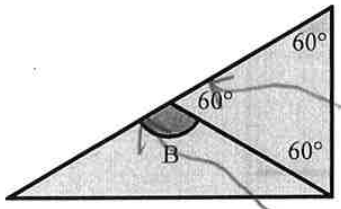


60°

Show how you figured it out.

I knew that from there to there was 180 and I saw that it was divided by 3 and each one was equal so I did 180÷3=60 and got 60.

4. Triangle 2 and Triangle 3 can be combined to make a larger version of Triangle 1. If each angle of Triangle 3 measures 60°, what is the measure of Angle B?



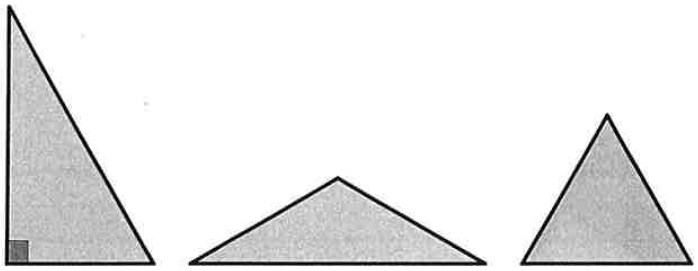
120°
Angle B

Show how you figured it out.

I saw the angle [redacted] from there to there is 180 and I know part of it is 60 so 180−60=120

Triangular Tiles

A game company makes sets of tiles. There are 3 different triangular tiles that can be arranged in many ways to make designs.

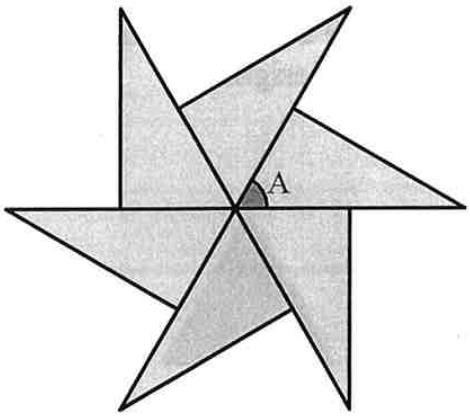


1. Which triangle tile has an obtuse angle? 2

2. Each triangle tile can be classified by side length and angle type. Write the number of each of the three triangles in the correct place in the chart.

	scalene	isosceles	equilateral
acute			3
right	1		
obtuse		2	

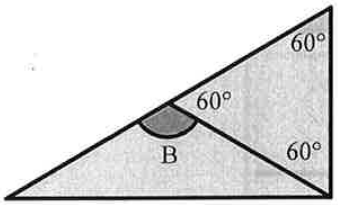
3. Triangle 1 can be used to make a pinwheel design. What is the measure of Angle A?



45°

Show how you figured it out.

4. Triangle 2 and Triangle 3 can be combined to make a larger version of Triangle 1. If each angle of Triangle 3 measures 60°, what is the measure of Angle B?



120°

Angle B

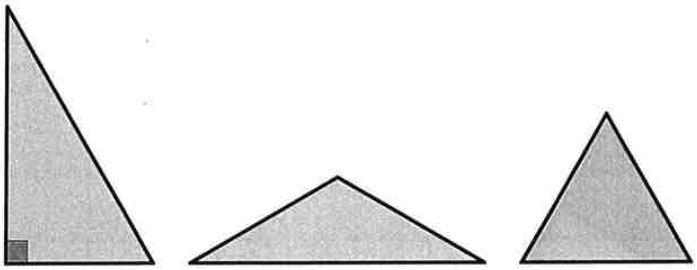
Show how you figured it out.

A half circle is 180°, ~~and~~ so you know that 60° + B is 180°. ~~After~~ So, 180 - 60 = 120°.

7

Triangular Tiles

A game company makes sets of tiles. There are 3 different triangular tiles that can be arranged in many ways to make designs.



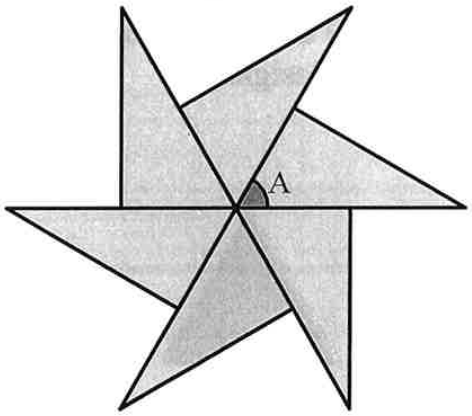
1. Which triangle tile has an obtuse angle?

2

2. Each triangle tile can be classified by side length and angle type. Write the number of each of the three triangles in the correct place in the chart.

	scalene	isosceles	equilateral
acute	1		3
right	1		
obtuse		2	

3. Triangle 1 can be used to make a pinwheel design. What is the measure of Angle A?

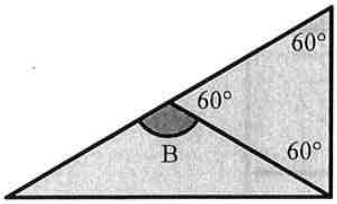


right angle

obtuse

Show how you figured it out.

4. Triangle 2 and Triangle 3 can be combined to make a larger version of Triangle 1. If each angle of Triangle 3 measures 60°, what is the measure of Angle B?

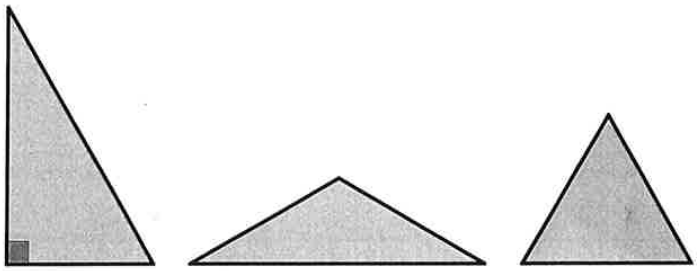


_____
Angle B

Show how you figured it out.

Triangular Tiles

A game company makes sets of tiles. There are 3 different triangular tiles that can be arranged in many ways to make designs.



1 2 3

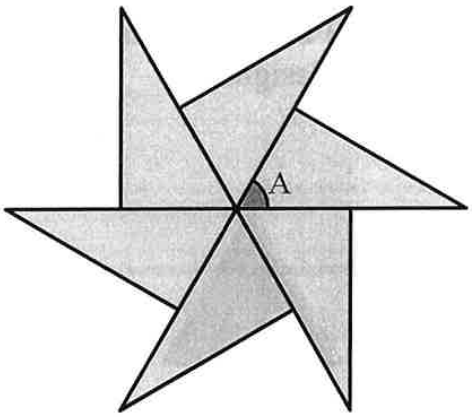
1. Which triangle tile has an obtuse angle?

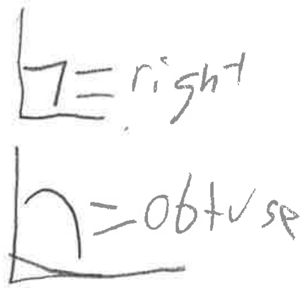
#2

2. Each triangle tile can be classified by side length and angle type. Write the number of each of the three triangles in the correct place in the chart.

	scalene	isosceles	equilateral
acute			3
right	1		
obtuse		2	

3. Triangle 1 can be used to make a pinwheel design. What is the measure of Angle A?

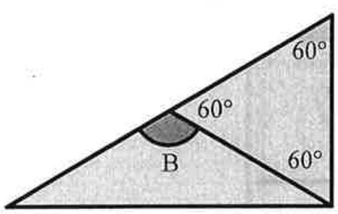


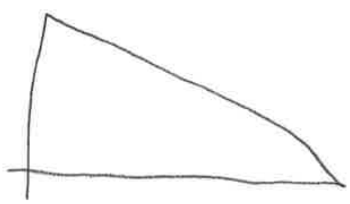


obtuse

Show how you figured it out.

4. Triangle 2 and Triangle 3 can be combined to make a larger version of Triangle 1. If each angle of Triangle 3 measures 60°, what is the measure of Angle B?





180

Angle B

Show how you figured it out.

+ 6+6+6+ / 000 = 180

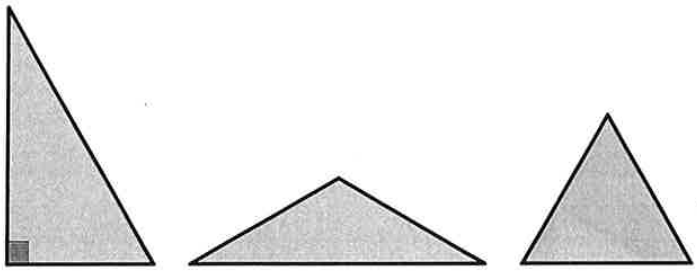
180x2=360

360= ~~full~~ whole

7

Triangular Tiles

A game company makes sets of tiles. There are 3 different triangular tiles that can be arranged in many ways to make designs.



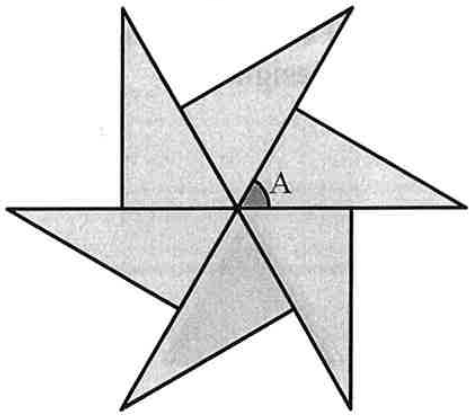
1. Which triangle tile has an obtuse angle?

2

2. Each triangle tile can be classified by side length and angle type. Write the number of each of the three triangles in the correct place in the chart.

	scalene	isosceles	equilateral
acute			3
right	1		
obtuse		2	

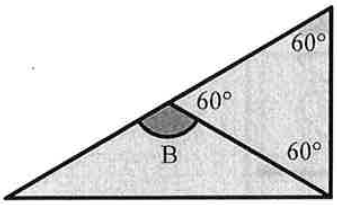
3. Triangle 1 can be used to make a pinwheel design. What is the measure of Angle A?



70°

Show how you figured it out. I measured angle A

4. Triangle 2 and Triangle 3 can be combined to make a larger version of Triangle 1. If each angle of Triangle 3 measures 60°, what is the measure of Angle B?



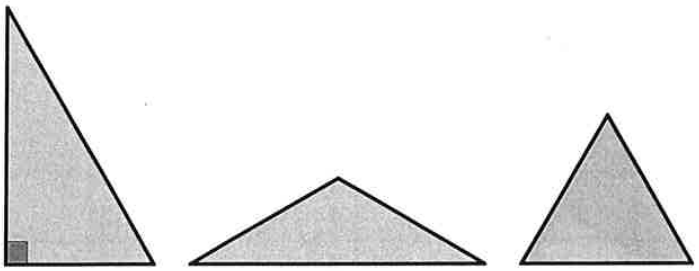
180

Angle B

Show how you figured it out. 60 x 3 = 180

Triangular Tiles

A game company makes sets of tiles. There are 3 different triangular tiles that can be arranged in many ways to make designs.



1 2 3

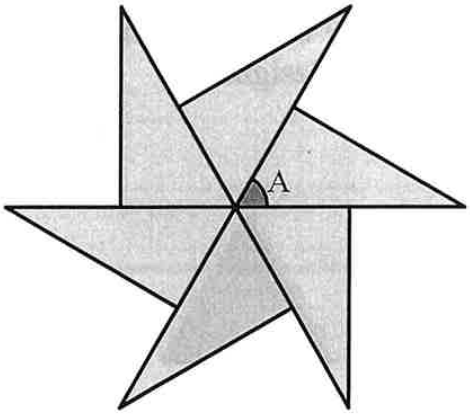
1. Which triangle tile has an obtuse angle?

2

2. Each triangle tile can be classified by side length and angle type. Write the number of each of the three triangles in the correct place in the chart.

	scalene	isosceles	equilateral
acute			3
right	1		
obtuse		2	

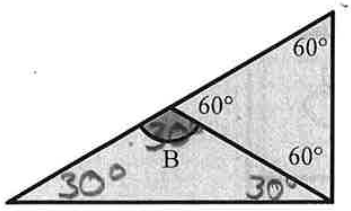
3. Triangle 1 can be used to make a pinwheel design. What is the measure of Angle A?



60°? 90°?

Show how you figured it out.

4. Triangle 2 and Triangle 3 can be combined to make a larger version of Triangle 1. If each angle of Triangle 3 measures 60°, what is the measure of Angle B?

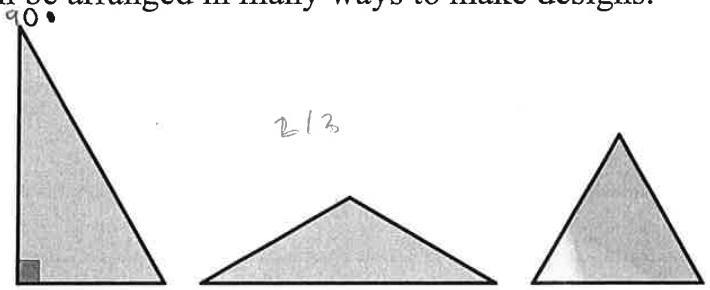


30°
Angle B

Show how you figured it out.

Triangular Tiles

A game company makes sets of tiles. There are 3 different triangular tiles that can be arranged in many ways to make designs.



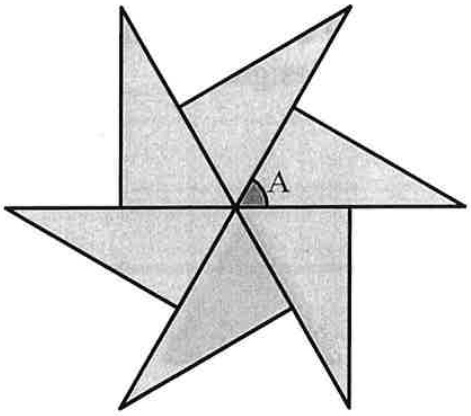
1. Which triangle tile has an obtuse angle?

3

2. Each triangle tile can be classified by side length and angle type. Write the number of each of the three triangles in the correct place in the chart.

	scalene	isosceles	equilateral
acute	2		
right	1		
obtuse	3		

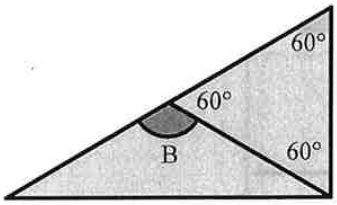
3. Triangle 1 can be used to make a pinwheel design. What is the measure of Angle A?



obtuse

Show how you figured it out.

4. Triangle 2 and Triangle 3 can be combined to make a larger version of Triangle 1. If each angle of Triangle 3 measures 60°, what is the measure of Angle B?



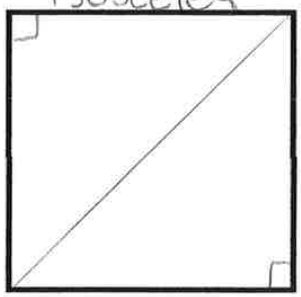
Angle B

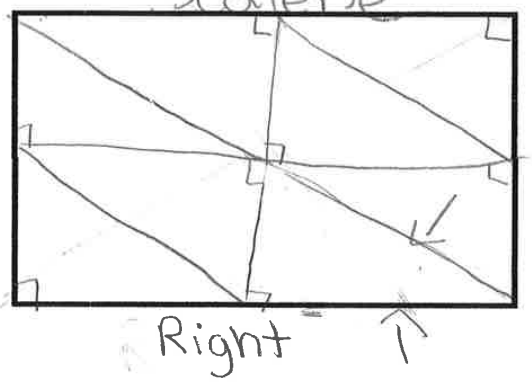
Show how you figured it out.

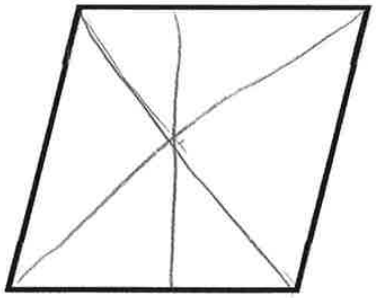
Name_____ 5-18-17

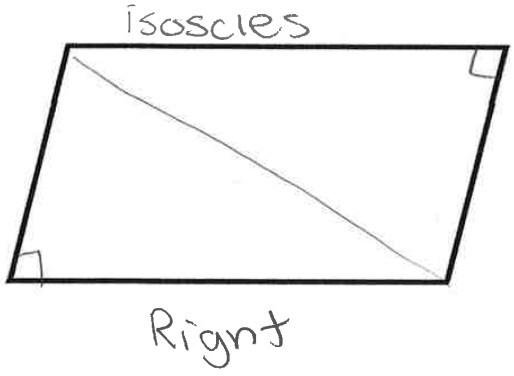
Dividing Shapes into Triangles

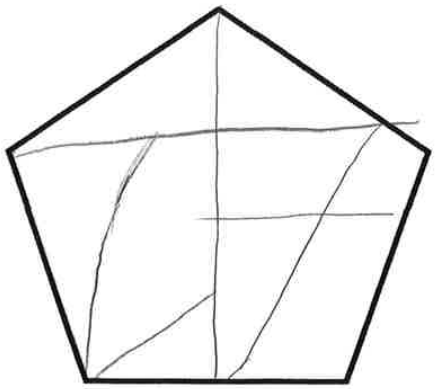
How many different types of triangles can you create by dividing the shapes below? Divide the shapes and label the triangles you created.

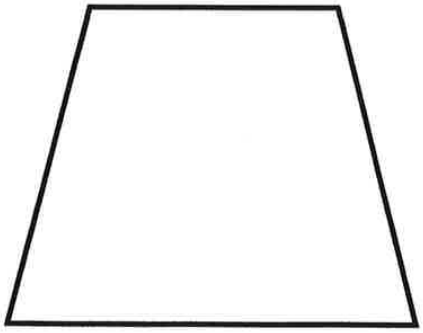








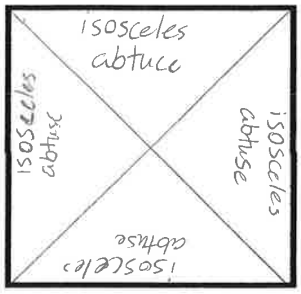


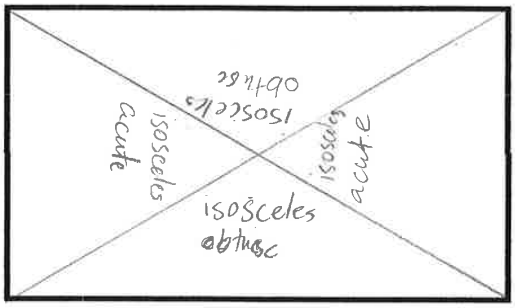


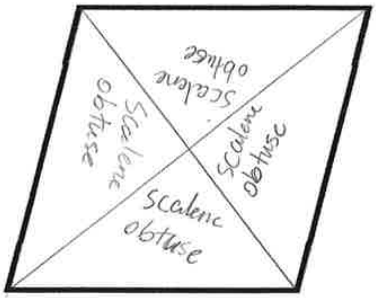
Name_____

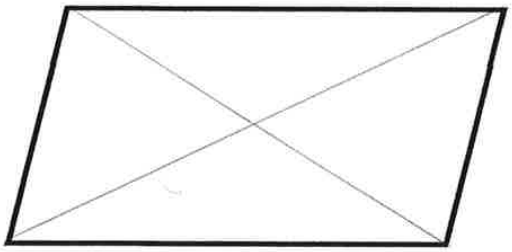
Dividing Shapes into Triangles

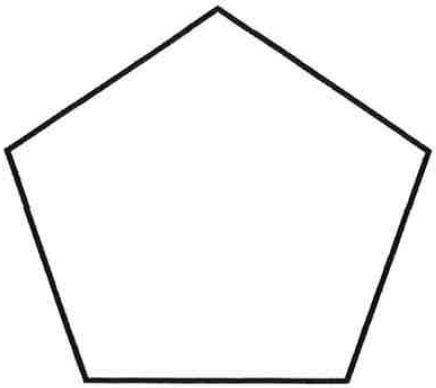
How many different types of triangles can you create by dividing the shapes below? Divide the shapes and label the triangles you created.

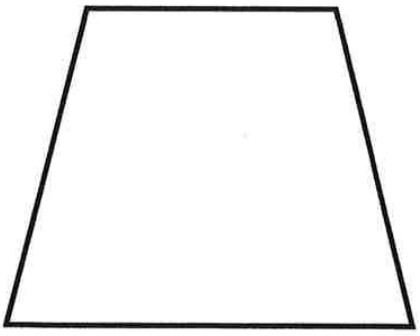




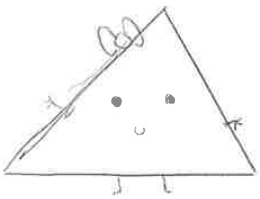






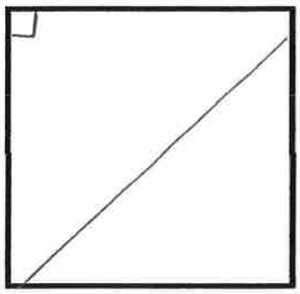


Name_____

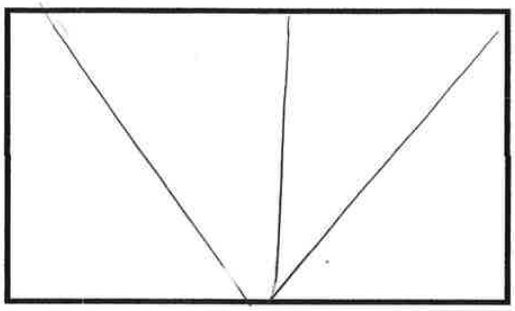


Dividing Shapes into Triangles

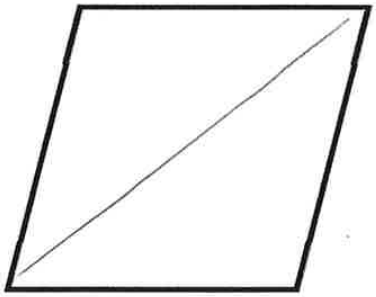
How many different types of triangles can you create by dividing the shapes below? Divide the shapes and label the triangles you created.



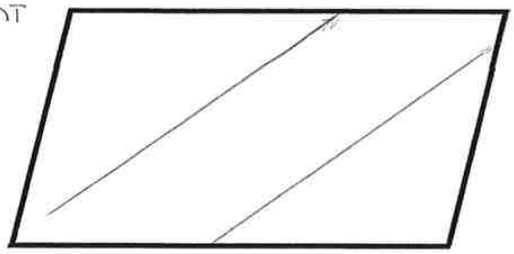
- Isosceles
- Right



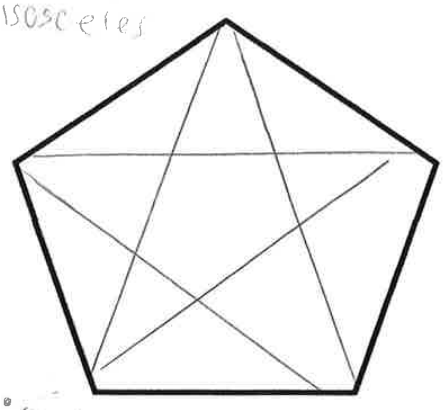
- Scalene
- Scalene
- acute
- Right



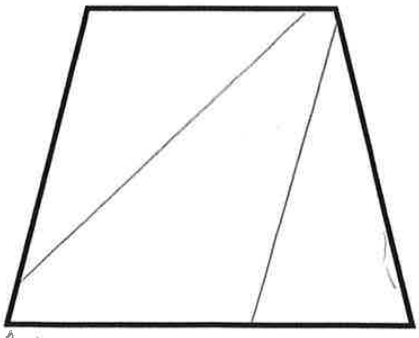
- Isosceles
- Isosceles



- Isosceles
- Right



- Scalene
- Isosceles
- Scalene
- right
- obtuse
- Obtuse
- obtuse
- right
- right

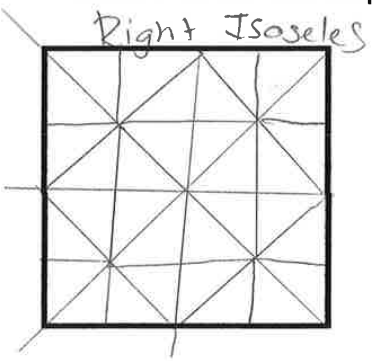


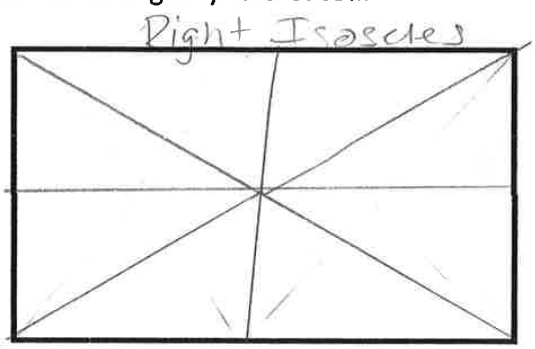
- Obtuse
- Isosceles

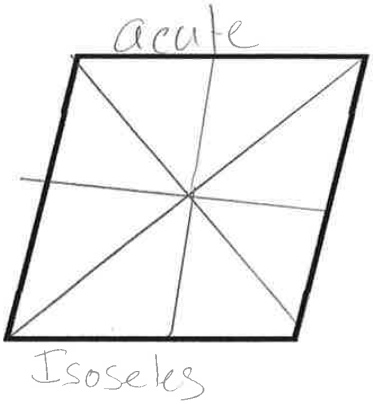
Name_____

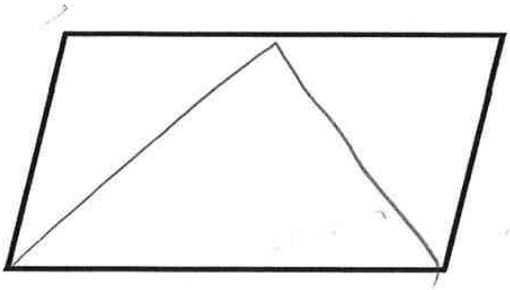
Dividing Shapes into Triangles

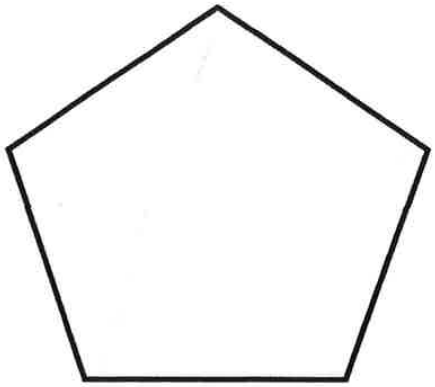
How many different types of triangles can you create by dividing the shapes below? Divide the shapes and label the triangles you created.

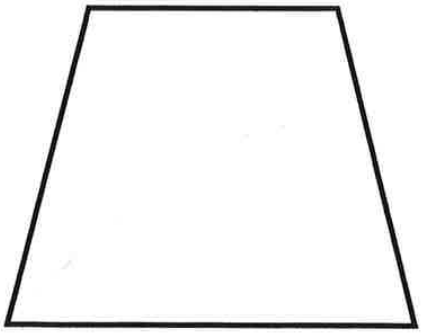












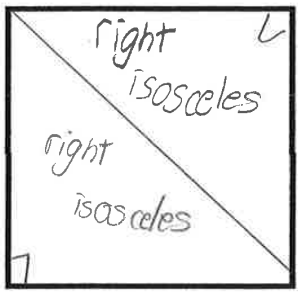
May 18, 2017

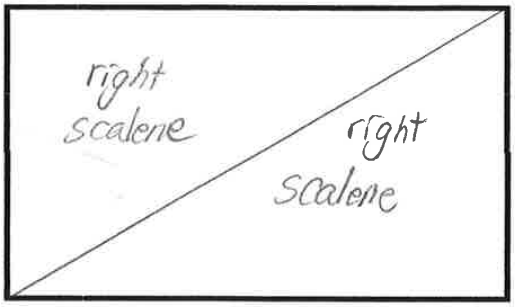
Name_____

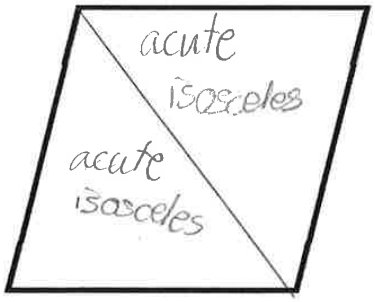
Dividing Shapes into Triangles

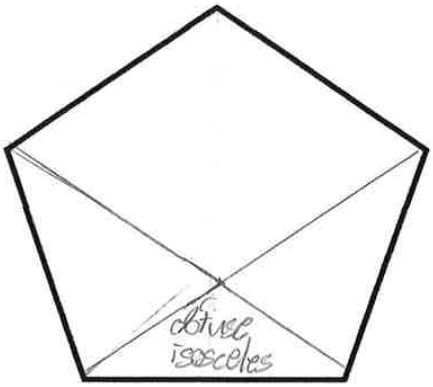
Hola amiga

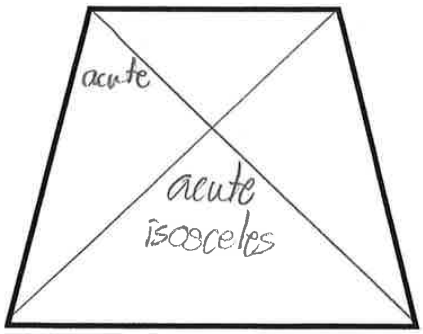
How many different types of triangles can you create by dividing the shapes below? Divide the shapes and label the triangles you created.







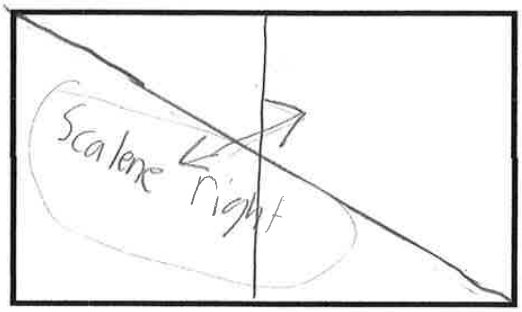


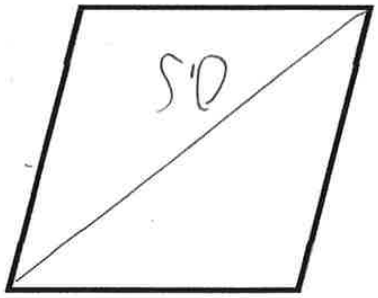


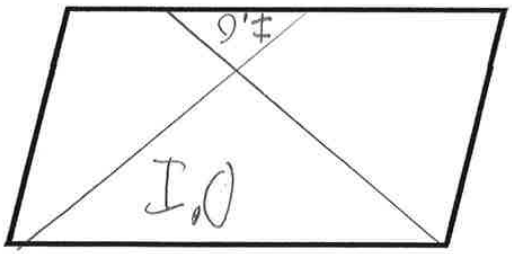
Name_____

Dividing Shapes into Triangles

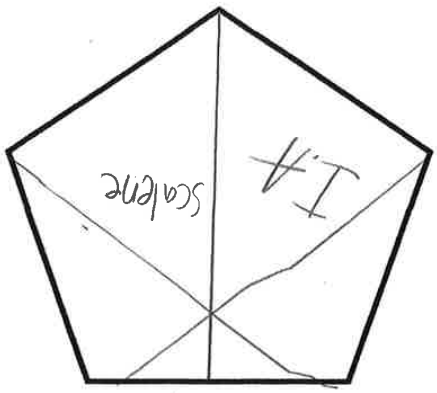
How many different types of triangles can you create by dividing the shapes below? Divide the shapes and label the triangles you created.

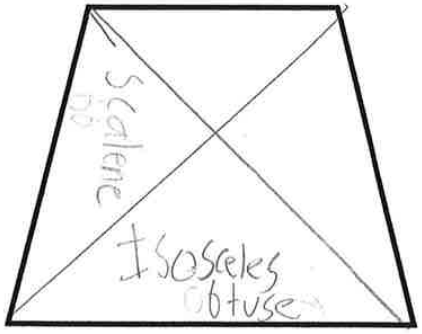






Scalene

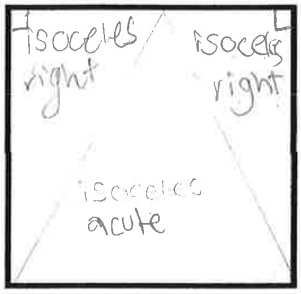


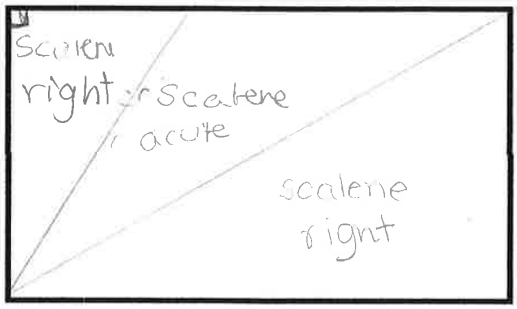


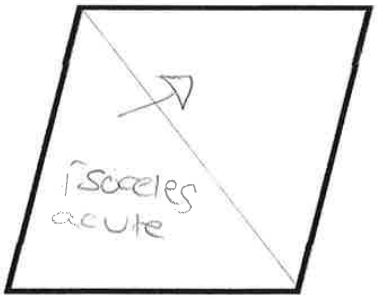
Name_____

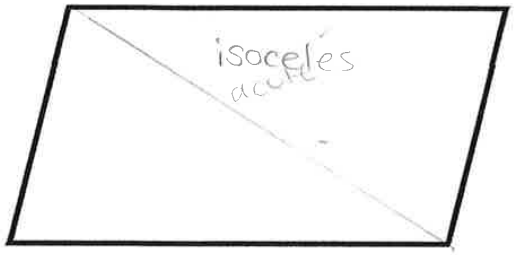
Dividing Shapes into Triangles

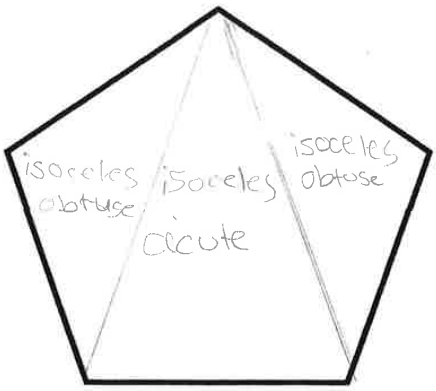
How many different types of triangles can you create by dividing the shapes below? Divide the shapes and label the triangles you created.

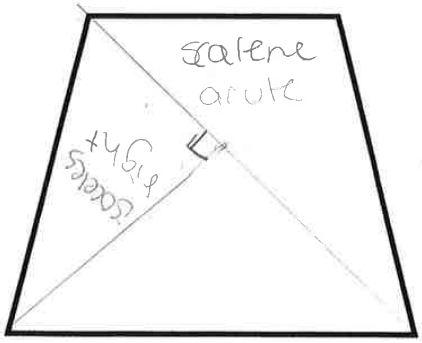












Name_____

Dividing Shapes into Triangles

How many different types of triangles can you create by dividing the shapes below? Divide the shapes and label the triangles you created.