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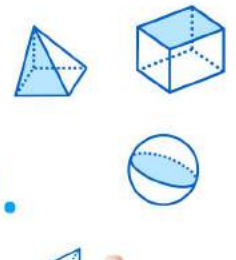

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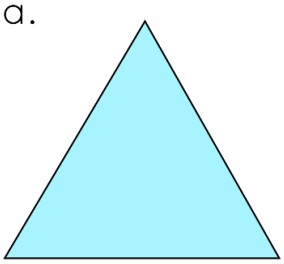
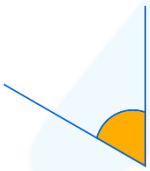
4th Grade Geometry Worksheets

1. Classify the triangles as scalene, isosceles, equilateral or right angled triangle.

a. 

b.

2. Classify the following angles as acute, obtuse, right or straight angles

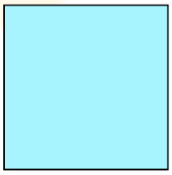
a. 

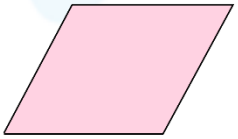
b.

c.

_____ _____ _____

3. Classify the quadrilaterals as rectangle, square, parallelogram or trapezoid.

a. 

b. 

c.

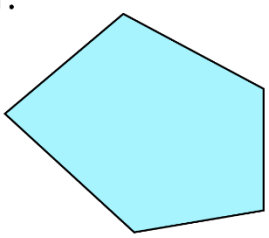
4. Construct the following angles

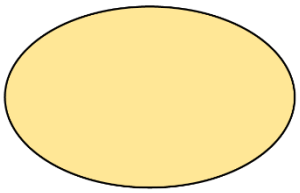
a) 100 degree b) 45 degree

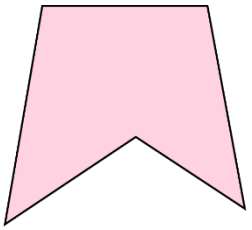
5. State if the following angles are acute, obtuse, right or straight

a)89 degree b)167 degree

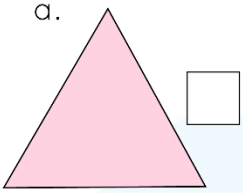
6. Which of the following are polygons?

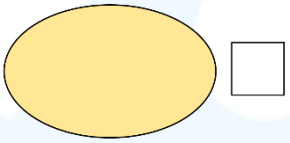
a. 

b. 

c. 

7. Mark with a 'Y' for the triangle among the given figures?

a. 

b. 

c.

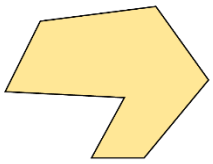
8. Is a circle polygon?

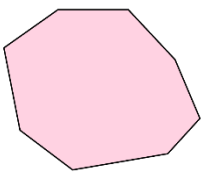
a)Yes b) No

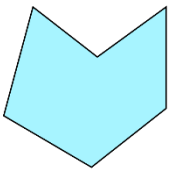
9. Which solid shape does a fire extinguisher resemble?

a) cube b) cylinder

10. Classify each of them as convex or concave polygons

a. 

b. 

c. 

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ANSWERS

1)	a) Equilateral b) Scalene
2)	a) Acute b) Obtuse c) Obtuse
3)	a) Square b) Rhombus c) Rectangle
4)	Construct the angles using protractor
5)	a) Acute b) Obtuse
6)	a) and c)
7)	a) - Y
8)	b) No
9)	b) Cylinder
10)	a) Concave b) Convex c) Concave

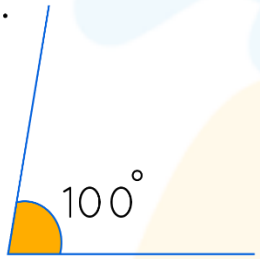
Solution:

1. a) Equilateral triangle as all the three sides are equal
   b) All the three sides are of different measures hence, scalene triangle

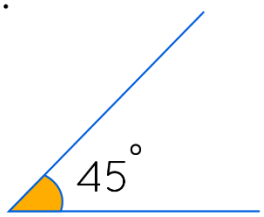
2. a) Acute angle b) Obtuse angle c) Obtuse angle

3. a) Square since all the sides are equal and opposite sides are parallel with all the angles equal to 90 degree
   b) Rhombus, as opposite sides are parallel with equal adjacent sides
   c) Rectangle since opposite sides are parallel and equal with all the angles equal to 90 degree

4.
   a.



   b.



5. a) Acute angle b) Obtuse angle

6. a) and c) are polygons as it is a closed figure made up of line segments

7. Figure a) is a triangle. Hence, a) - Y

8. b) No, a circle is not a polygon as it is not made up of segments

9. b) Cylinder as a fire extinguisher cylinder is cylindrical in shape

10. a) Concave as it has one angle greater than 180 degree
b) Convex since all the angles are lesser than 180 degree
c) Concave as it has one angle greater than 180 degree

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FUN FACT

1. The sum of angles of a triangle is equal to 180°

2. The letter 'L' forms a 90° between its standing and sleeping line.

3. All our body parts are aligned in such a way that there are different angles formed between our body parts.