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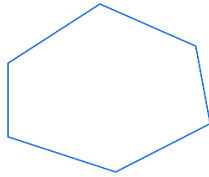
4th Grade Geometry Worksheets

1. Construct the following angles.

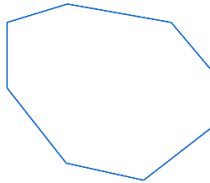
a) 90 degree b) 15 degree

2. Which of the following are polygons?

a.



b.

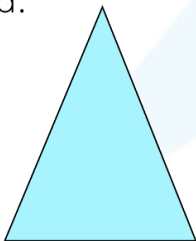


c.

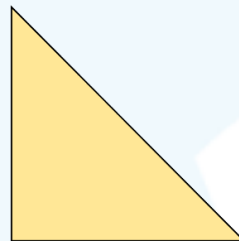


3. Classify the triangles as scalene, isosceles, equilateral or right angled triangle.

a.

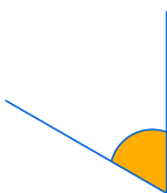


b.



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

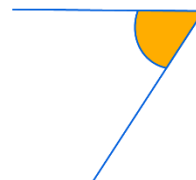
a.



b.



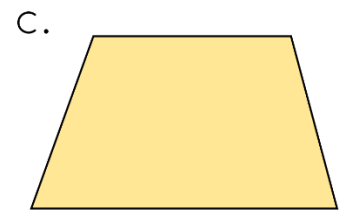
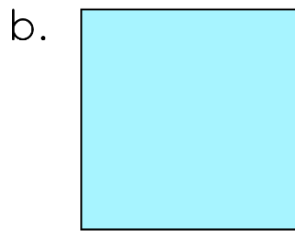
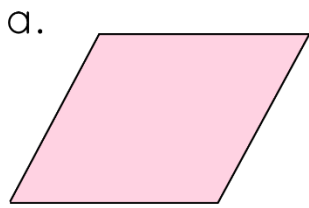
c.



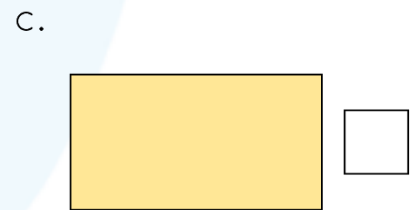
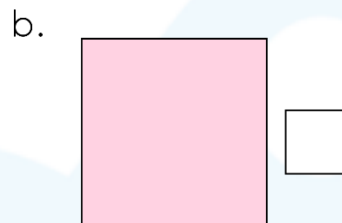
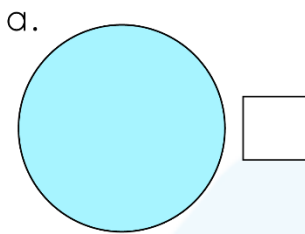
5. State if the following angles are acute, obtuse, right or straight.

a) 90 degree b) 1 degree

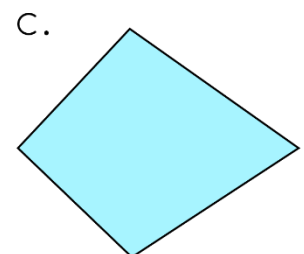
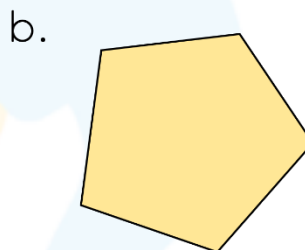
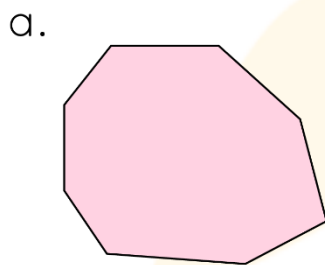
6. Classify the quadrilaterals as rectangle, square, parallelogram or trapezoid.



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



8. Classify each of them as convex or concave polygons.



9. How many vertices and sides does a triangle have?

10. Which solid shape does a door resemble?

- a) cuboid b) sphere

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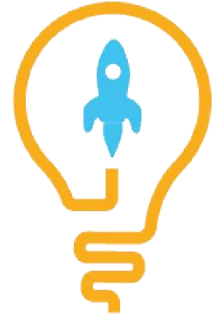
- Kirk Riley

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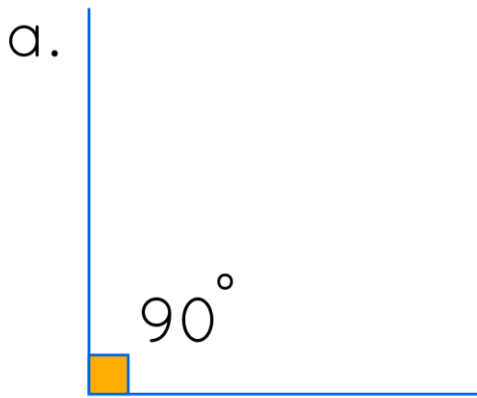


ANSWERS

1)	Construct using protractor
2)	a) and b)
3)	a) Isosceles b) Right angled
4)	a) Acute b) Acute c) Acute
5)	a) Right angle b) Acute
6)	a) Rhombus b) Square c) Trapezoid
7)	b) - Y
8)	a), b) and c) are all convex
9)	3 vertices, 3 sides
10)	a) Cuboid

Solution:

1.



b.



2. a) and b) are polygons as it is a closed figure made up of line segments
3. a) Isosceles triangle, as two sides are equal
b) Right angled triangle as it has a 90-degree angle
4. a) Acute angle b) Acute angle c) Acute angle
5. a) Right angle b) Acute angle
6. a) Rhombus, as opposite sides are parallel with equal adjacent sides
b) Square since all the sides are equal and opposite sides are parallel with all the angles equal to 90 degree
c) Trapezoid as one pair of opposite sides are parallel

7. Figure b) is a square. Hence, b) - Y
8. All a), b) and c) are convex polygons as all the angles are lesser than 180 degree
9. A triangle has 3 vertices and 3 sides.
10. a) Cuboid as a door exhibits a rectangular shape.



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.

