



# Two- and Three-Dimensional Figures

## EXAMPLE

Irene can see many signs of different shapes on her remote control.

- a. How many of them are quadrilaterals?

Think : Quadrilaterals are polygons having 4 straight sides.

Count : 11 quadrilaterals

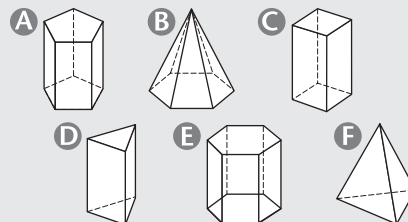
Answer : There are 11 quadrilaterals.



- b. Which of the solids on the right are prisms and which are pyramids?

Think : Pyramids have triangular faces standing on a base and meeting at a vertex.

Prisms have congruent ends and straight sides.

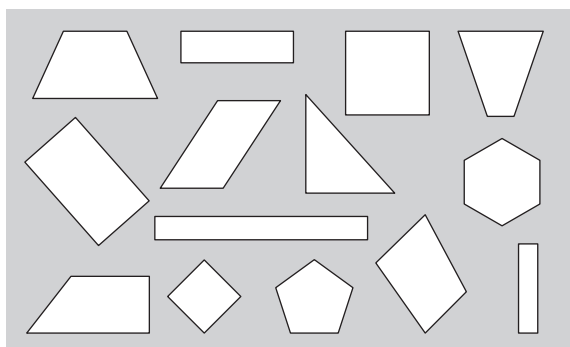


Answer : A, C, D and E are prisms. B and F are pyramids.

### Count and colour. Show your thinking and answer the questions.

Irene's teacher has several boxes of shapes. She wants Irene to sort and colour them. Help Irene finish her work.

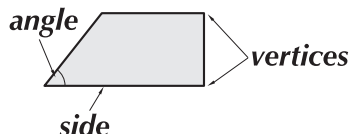
- ① Irene has to sort out all the rectangles and colour them red.



- a. How do you know they are rectangles?

Answer : \_\_\_\_\_

- A quadrilateral has 4 straight sides, 4 angles and 4 vertices.

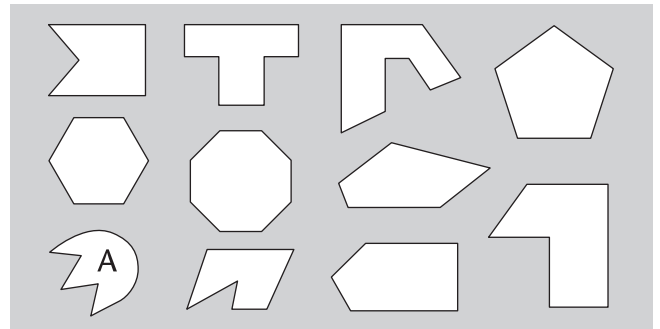


- b. How many shapes in the box are not quadrilaterals? Explain.

Answer : \_\_\_\_\_

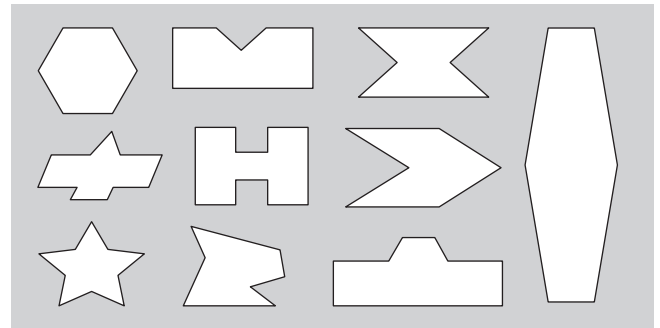
- ② Irene has to sort out all the pentagons from a box of polygons. Colour them green. Is the shape marked A a pentagon? Explain.

Answer : \_\_\_\_\_



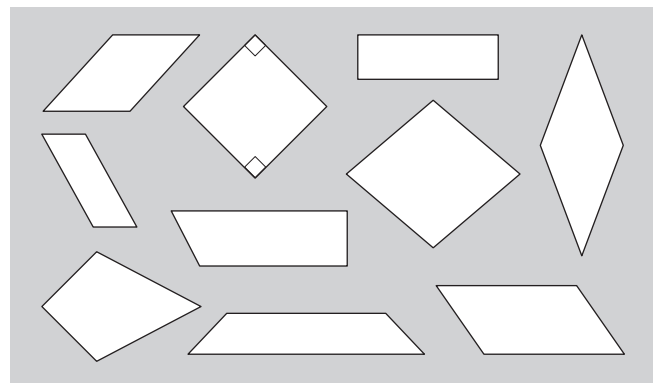
- ③ Irene has to sort out all the hexagons from a box of polygons. Colour them yellow. How do you know they are hexagons?

Answer : \_\_\_\_\_



- ④ Irene has to colour the rhombuses brown and the parallelograms blue. What are the similarities and differences between a rhombus and a parallelogram?

Answer : \_\_\_\_\_



**Write the names of the polygons.**

Irene is making some shapes for her teacher. Read what she says and write the shape she is making.

- ⑤ 'This shape has 4 right angles. Two of its sides are longer than the others.'

Answer : \_\_\_\_\_

- ⑥ 'This quadrilateral has 4 equal sides but the angles are not right angles.'

Answer : \_\_\_\_\_

- ⑦ 'This shape has 5 straight sides and 5 angles.'

Answer : \_\_\_\_\_

- ⑧ 'This shape has 6 angles and 6 vertices. The sides are equal in length.'

Answer : \_\_\_\_\_