

SESSION	: 14
CLASS	: IV
SUBJECT	: MATHEMATICS
CHAPTER NUMBER	: 13
CHAPTER NAME	: GEOMETRY
SUBTOPIC	: SYMMETRY, EX-13 F, CLASS TEST

CHANGING YOUR TOMORROW

Website: www.odmegroup.org Email: info@odmps.org

Toll Free: 1800 120 2316

Sishu Vihar, Infocity Road, Patia, Bhubaneswar- 751024

LEARNING OBJECTIVE



 Enable the students to understand the meaning of symmetry and to recall the whole chapter through the class test.















look at some more examples given below. You will observe that the left half is a mirror image of the right half and viceversa. Therefore, theses figures are symmetrical

EXAMPLE







Not all figures are symmetrical. Look at the following example.

EXAMPLE



Object



EXERCISE – 13(F)





EXERCISE – 13(F)





EXERCISE – 13(F)





EXERCISE – 13(F)





EXERCISE – 13(F)





EXERCISE – 13(F)

2. Draw the line of symmetry in the alphabets given below.





EXERCISE – 13(F)

2. Draw the line of symmetry in the alphabets given below.





EXERCISE – 13(F)





EXERCISE – 13(F)





EXERCISE – 13(F)







EXERCISE – 13(F)





EXERCISE – 13(F)









A. Fill in the blanks.

(1×3=3)

- 1) A line has ______ end points.
- The lines or line segments which cross each other at any point are known as ______ lines.
- **3)** The length of the boundary of a circle is known as its ______.









B. Do as Directed.

(2×2=4)

4) Find the radius of the circle if its diameter is 42 cm.

5) Find the diameter of the circle if its radius is 24 cm.









C. Answer the following.

(3×1=3)

6) Draw a circle with the help of any circular object and mention its centre, radius and diameter?









ANSWER









A. Fill in the blanks.

(1×3=3)

- 1) A line has <u>2</u> end points.
- The lines or line segments which cross each other at any point are <u>Intersecting line</u> known as lines.
- **3)** The length of the boundary of a circle is known as its <u>circumference</u>.









B. Do as Directed.

(2×2=4)

4) Find the radius of the circle if its diameter is 42 cm.

D = 42

Radius =
$$\frac{Diameter}{2}$$

R = $\frac{42}{2}$ = 21 cm

Radius = 21 cm









B. Do as Directed.

(2×2=4)

5) Find the diameter of the circle if its radius is 24 cm.

R = 24

Diameter = $2 \times \text{Radius} = 2 \times \text{R}$

D = 2 × 24 = 48 cm



Diameter = 48 cm





C. Answer the following.

(3×1=3)

6) Draw a circle with the help of any circular object and mention its centre, radius and diameter?





O = Centre





HOME ASSIGNMENT:

Complete Exercise – 13 F in your book.

LEARNING OUTCOME:

Students are able to understand the meaning of symmetry and also able to recall the whole chapter through the class test.



THANKING YOU ODM EDUCATIONAL GROUP

