



# MATHS

## BOOKS - RD SHARMA MATHS (HINGLISH)

### ANGLES

All Questions

1. Name all the angles formed in Figure



Watch Video Solution

2. In Figure, write another name for the following angles:  $\angle 1$  (ii)  $\angle 2$  (iii)  $\angle 3$  (iv)  $\angle 4$  (v)  $\angle 5$



**Watch Video Solution**

3. In Fig., name the points which are: in the interior of  $\angle PQR$  (ii) in the exterior of  $\angle PQR$ . (iii) on  $\angle PQR$ .



**Watch Video Solution**

4. Write the arms and the vertex of  $\angle LMP$  given in Fig.



**Watch Video Solution**

5. How many angles are formed in the figures (i) (ii) and (iii) ? Name them.



**Watch Video Solution**

6. In Fig., list the points which are: in the interior  $\triangle P$  (ii) in the exterior of  $\angle P$  and lie on  $\angle P$ .



Watch Video Solution

7. In Fig., write another name for:  $\angle 1$  (ii)  $\angle 2$  (iii)  $\angle 3$  (iv)  $\angle 4$



Watch Video Solution

8. In Fig., write another name for:  $\angle 1$  (ii)  $\angle 2$   
(iii)  $\angle 3$



**Watch Video Solution**

9. In Fig., which of the following statements are true: (i) Point B is the interior of  $\angle AOB$   
(ii) Point B is the interior of  $\angle AOC$  (iii) Point A is the interior of  $\angle AOD$  (iv) point C is the exterior of  $\angle AOB$  (v) Point D is the exterior of  $\angle AOC$ .





[Watch Video Solution](#)

**10.** Which of the following statements are true: (i)The vertex of an angle lies in its interior. (ii)The vertex of an angle lies in its exterior (iii)The vertex of an angle lies on it.



[Watch Video Solution](#)

**11.** By simply looking at the pair of angles given in Fig., state which of the angles in each of the

pairs is greater: Figure

(ii) Figure

(iii) Figure



**Watch Video Solution**

**12.** An angle is formed by two adjacent fingers.

What kind of angle will it appear?



**Watch Video Solution**

**13.** Shikha is rowing a boat due north-east. In which direction will she be rowing if she turns

it through: a straight angle

(ii) a

complete angle



**Watch Video Solution**

**14.** A ship sailing in river Jhelam moves towards east. If it changes to north, through what angle does it turn?



**Watch Video Solution**



**15.** You are standing in class-room facing north. In what direction are you facing after making a quarter turn?



**Watch Video Solution**

**16.** A bicycle wheel makes four and a half turns. Find the number of right angles through which it turns.



**Watch Video Solution**

**17.** If a bicycle wheel has 48 spokes, then find the angle between a pair of adjacent spokes.



**Watch Video Solution**

**18.** Classify the following angles as acute, obtuse, straight, right, zero and complete angle: 118 (ii) 29 (iii) 145 (iv) 165 (v) 75



**Watch Video Solution**

**19.** State the kind of angle, in each case, formed between the following directions:

(i) East and west

(ii) East and north

(iii) North and north-east

(iv) North and south-east



**Watch Video Solution**

**20.** State the kind of each of the following angles:



**Watch Video Solution**

21. The vertex of an angle lies (a) in its interior (b) in its exterior (c) on the angle (d) inside the angle



**Watch Video Solution**

22. The figure formed by two rays with the same initial point is known as a ray (b) a line (c) an angle (d) a line segment



**Watch Video Solution**

**23.** An angle of measure  $0^{\circ}$  is called (a) a complete angle (b) a right angle (c) a straight angle (d) None of these



**Watch Video Solution**

**24.** An angle of measure  $90^{\circ}$  is called a complete angle (b) a right angle a straight angle (c) a reflex angle



**Watch Video Solution**

**25.** An angle of measure  $180^0$  is called a zero angle (b) a right angle (c) a straight angle a reflex angle



**Watch Video Solution**

**26.** An angle of measure  $360^0$  is called (a)a zero angle (b) a straight (c) a reflex angle (d) a complete angle



**Watch Video Solution**

27. An angle of measure  $140^{\circ}$  is (a)an acute angle (b) an obtuse angle (c)a straight angle (d) a complete angle



**Watch Video Solution**

28. A reflex angle measures (a)more than  $90^{\circ}$  but less than  $180^{\circ}$  (b)more than  $180^{\circ}$  but less than  $270^{\circ}$  (c)more than  $180^{\circ}$  but less than  $360^{\circ}$  (d)none of these



**Watch Video Solution**

**29.** The number of degrees in 2 right angles is  
 $90^0$  (b)  $180^0$  (c)  $270^0$  (d)  $360^0$



**Watch Video Solution**

**30.** The number of degrees in 3 right angles is  
 $180^0$  (b)  $360^0$  (c)  $270^0$  (d)  $90^0$



**Watch Video Solution**



**31.** If a bicycle wheel has 36 spokes, then the angle between a pair of adjacent spokes is  $10^0$   
(b)  $15^0$  (c)  $20^0$  (d)  $12^0$



**Watch Video Solution**