

MATHS

BOOKS - RD SHARMA MATHS (HINGLISH)

ANGLES

All Questions

1. Name all the angles formed in Figure



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



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



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



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5. How many angles are formed in the figures

(i) (ii) and (iii)? Name them.



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



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

 $\angle 3$ (iv) $\angle 4$



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



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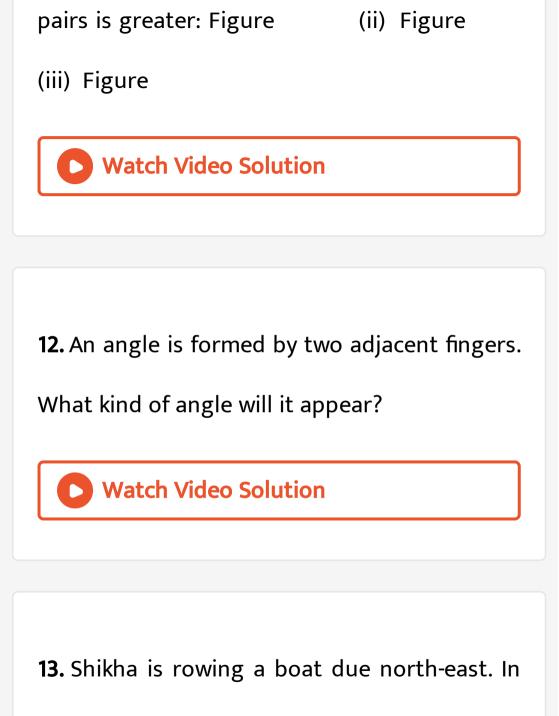
9. In Fig., which of the following statements are true: (i) Point B is the interior of $\angle AOB$ (ii) Point B is the interior of $\angle AOC$ (iii) Point A is the interior of $\angle AOD$ (iv) point C is the exterior of $\angle AOD$ (v) Point D is the exterior of $\angle AOC$.

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.



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



which direction will she be rowing if she turns

it through: a straight angle (ii) a



complete angle



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



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



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



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



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



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



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



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



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



23. An angle of measure 0^0 is called (a)a complete angle (b) a right angle a(c) straight angle (d) None of these



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24. An angle of measure 90^0 is called a complete angle (b) a right angle a straight angle (c) a reflex angle



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



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



27. An angle of measure 140^{0} is (a)an acute angle (b) an obtuse angle (c)a straight angle (d) a complete angle



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28. A reflex angle measures (a)more than 90° but less than 180^0 (b)more than 180^0 but less than 270^{0} (c)more than 180^{0} but less than 360^0 (d)none of these



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



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



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

