

Q1. Vikram constructed an angle of 84° and bisected it. Measure of one angle taken will be _____.

- A. 42°
- B. 63°
- C. 29°
- D. 39°

Q2. Using a pair of compass and ruler, if you bisect certain angles, you can create an angle of 106° . Which angles are bisected in this process?

- A. 48° and 138°
- B. 40° and 114°
- C. 90° and 122°
- D. 78° and 112°

Q3. If a point O is outside a circle, with minimum and maximum distance from the circle of x units and 124 units respectively. The radius of the circle is 36 units, what is the value of x?

- A. 59
- B. 50
- C. 64
- D. 52

Q4. In a right angled triangle PQR, right angled at $\angle PQR$, if $\angle RPQ$ measures 69° , what is the measure of angle $\angle QRP$?

- A. 21°
- B. 13°
- C. 24°
- D. 12°

Q5. Using a pair of compass and ruler, if you bisect certain angles, you can create an angle of 115° . Which angles are bisected in this process?

- A. 102° and 118°
- B. 92° and 108°
- C. 70° and 160°
- D. 104° and 172°

Q6. Sarika constructed an angle of 42° and trisected it. Measure of one angle taken will be _____.

- A. 79°
- B. 14°
- C. 13°
- D. 75°

Q7. If a point O is outside a circle, with minimum and maximum distance from the circle of 28 units and 60 units respectively. The radius of the circle is x units, what is the value of x?

- A. 15
- B. 26
- C. 16

D. 8

Q8. Dhruv constructed an angle of 204° and bisected it. Measure of one angle taken will be _____.

- A. 102°
- B. 88°
- C. 170°
- D. 48°

Q9. If a point O is outside a circle, with minimum and maximum distance from the circle of 52 units and 106 units respectively. The radius of the circle is x units, what is the value of x?

- A. 27
- B. 39
- C. 32
- D. 35

Q10. A triangle can be constructed by taking its sides as

- A. 1,4,10
- B. 1,3,6
- C. 7,9,10
- D. 4,12,16

Answer Sheet

Q1. A	Q2. C	Q3. D
Q4. A	Q5. C	Q6. B
Q7. C	Q8. A	Q9. A
Q10. C		

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