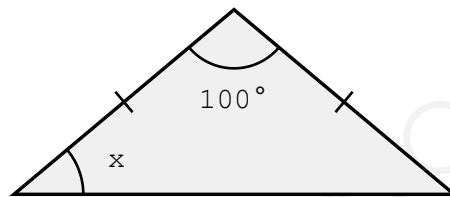


Geometry: 2D Shapes & Angles: Medium Practice Paper 3

Q1. What do the interior angles of any quadrilateral add up to?

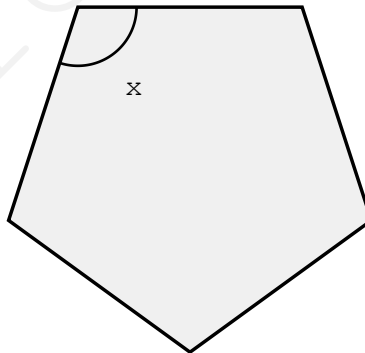
- A. 360° B. 540° C. 720° D. 900° E. 1080°

Q2. The two dashed sides of this triangle are equal. Work out the size of angle x .



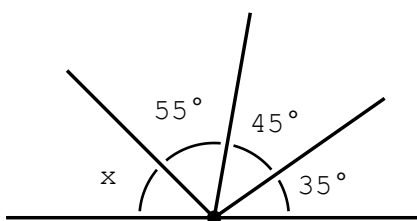
- A. 30° B. 40° C. 50° D. 60° E. 80°

Q3. This is a regular pentagon. Work out the size of angle x .



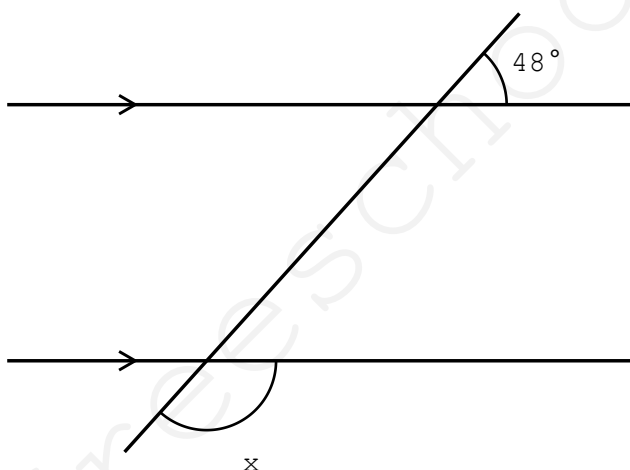
- A. 60° B. 72° C. 90° D. 100° E. 108°

Q4. Work out the size of angle x on this straight line.



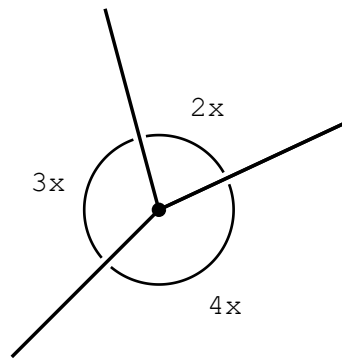
- A. 35° B. 45° C. 55° D. 65° E. 75°

Q5. The two horizontal lines are parallel. Work out the size of angle x .



- A. 48° B. 62° C. 122° D. 132° E. 142°

Q6. These angles meet at a point. Work out the size of the largest one.

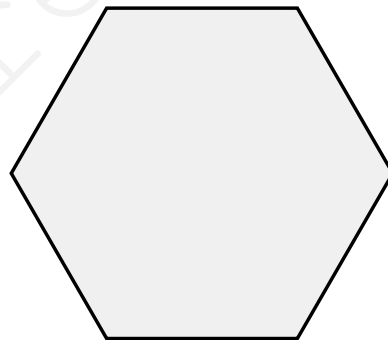


- A. 40° B. 80° C. 120° D. 160° E. 180°

Q7. What is the size of each exterior angle of a regular hexagon?

- A. 45° B. 60° C. 72° D. 120° E. 150°

Q8. What is the order of rotational symmetry of this regular hexagon?

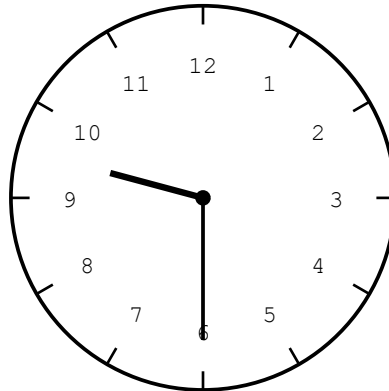


- A. 2 B. 3 C. 4 D. 6 E. 12

Q9. Two arms make an angle of 110° . What is the reflex angle on the other side of the same two arms?

- A. 70° B. 180° C. 220° D. 250° E. 290°

Q10. What is the size of the angle between the hands of this clock?



- A. 75° B. 90° C. 105° D. 120° E. 135°

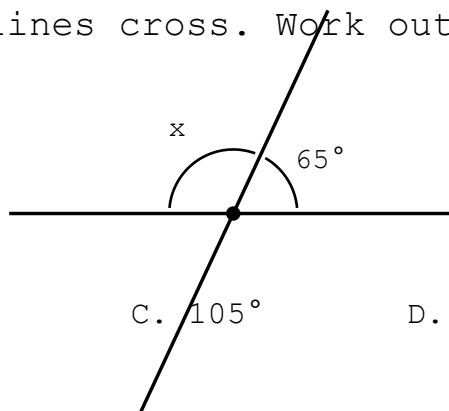
Q11. A regular polygon has 12 sides. What is the size of each exterior angle?

- A. 12° B. 24° C. 30° D. 36° E. 150°

Q12. What do the interior angles of a decagon (10 sides) add up to?

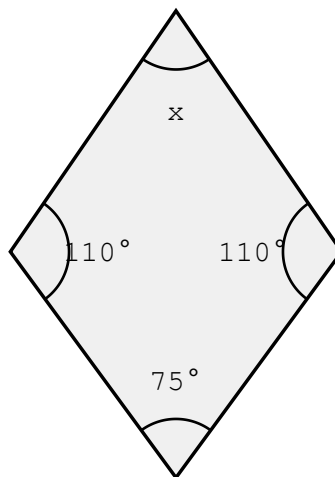
- A. 720° B. 900° C. 1080° D. 1260° E. 1440°

Q13. Two straight lines cross. Work out the size of angle x.



- A. 25° B. 65° C. 105° D. 115° E. 125°

Q14. Work out the size of angle x in this kite.



- A. 55° B. 60° C. 65° D. 70° E. 75°

Q15. How many diagonals can be drawn inside a quadrilateral?

- A. 2 B. 3 C. 4 D. 5 E. 6