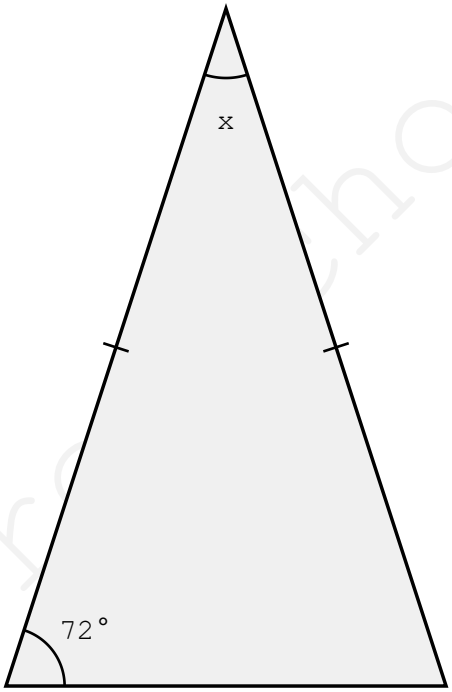
Geometry: 2D Shapes & Angles: Medium Practice Paper 4

Q1. What do the interior angles of a nonagon (9 sides) add up to?

A. 540° B. 720° C. 900° D. 1080° E. 1260°

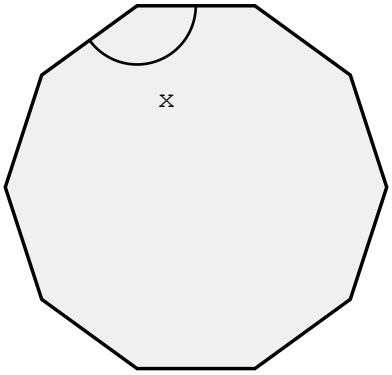
Q2. The two dashed sides of this triangle are equal. Work out the size of angle x.



A. 18° B. 36° C. 45° D. 54° E. 108°

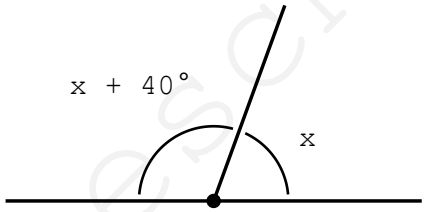
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Q3. This is a regular decagon. Work out the size of angle x.



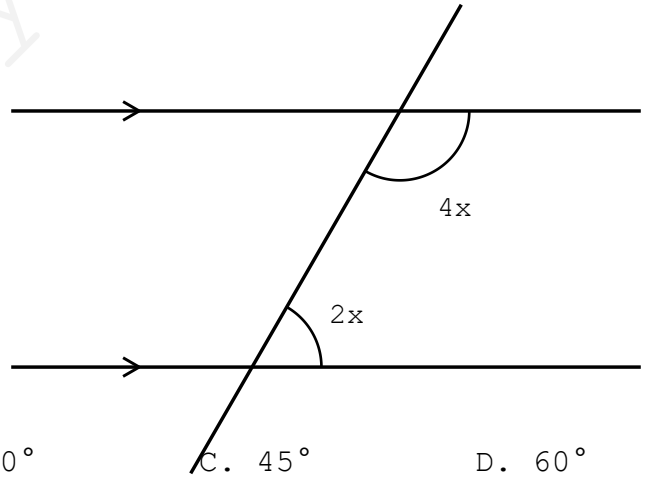
A. 36° B. 120° C. 135° D. 140° E. 144°

Q4. Work out the value of x.



A. 55° B. 60° C. 70° D. 80° E. 110°

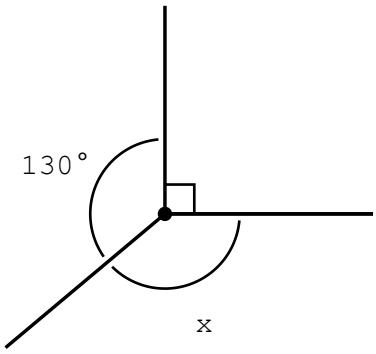
Q5. The two horizontal lines are parallel. Work out the value of x.



A. 30° B. 40° C. 45° D. 60° E. 90°

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Q6. These three angles meet at a point. Work out the size of angle x.



A. 120° B. 130° C. 140° D. 150° E. 160°

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

A. 18° B. 24° C. 30° D. 36° E. 144°

Q8. What is the order of rotational symmetry of this parallelogram?



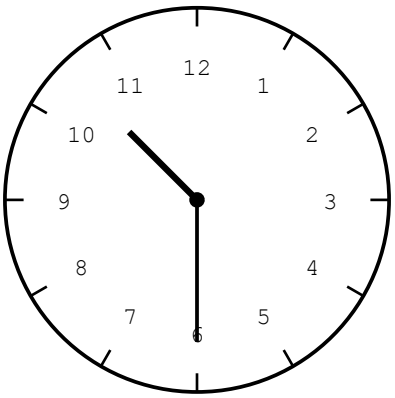
A. 1 B. 2 C. 3 D. 4 E. 6

Q9. Three angles on a straight line are x, 2x and 3x. What is the value of x?

A. 20° B. 30° C. 36° D. 45° E. 60°

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



A. 75° B. 105° C. 120° D. 135° E. 150°

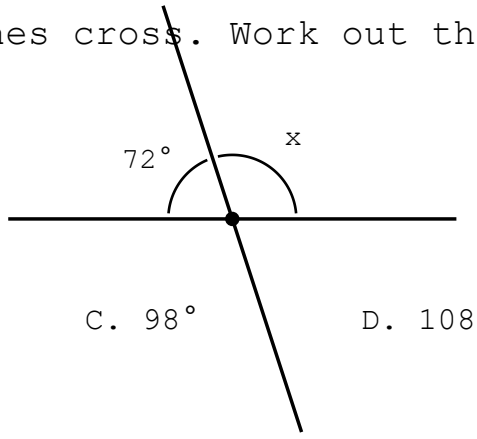
Q11. The angles of a triangle are in the ratio 2 : 3 : 4. What is the smallest angle?

A. 40° B. 45° C. 60° D. 80° E. 90°

Q12. The interior angles of a polygon add up to 900°. How many sides does it have?

A. 6 B. 7 C. 8 D. 9 E. 10

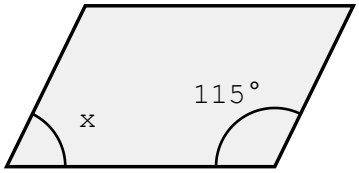
Q13. Two straight lines cross. Work out the size of angle x.



A. 18° B. 72° C. 98° D. 108° E. 118°

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



A. 55° B. 65° C. 75° D. 105° E. 115°

Q15. Which quadrilateral has four equal sides but only two lines of symmetry?

A. Square B. Rectangle C. Rhombus D. Kite E. Trapezium

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