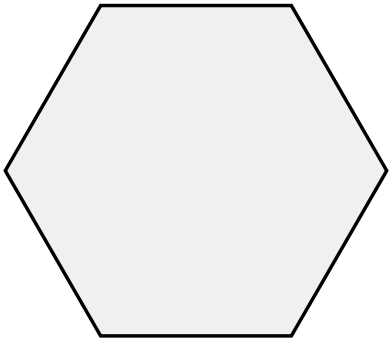
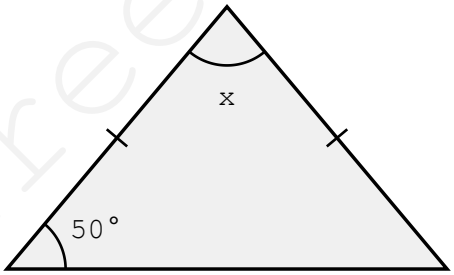
Geometry: 2D Shapes & Angles: Medium Practice Paper 2

Q1. What do the interior angles of this hexagon add up to?



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

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



A. 50° B. 65° C. 80° D. 100° E. 130°

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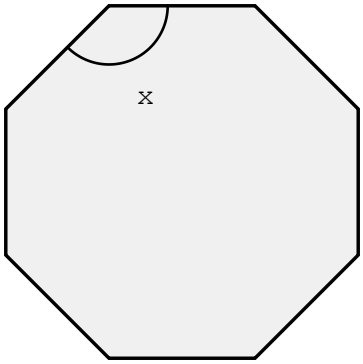
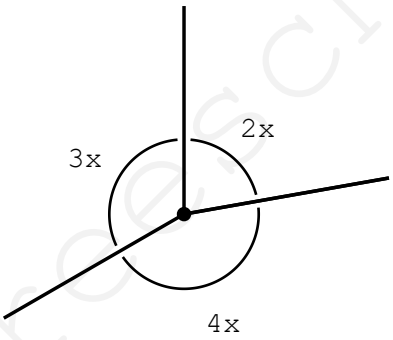
Q3. This is a regular octagon. Work out the size of angle x.



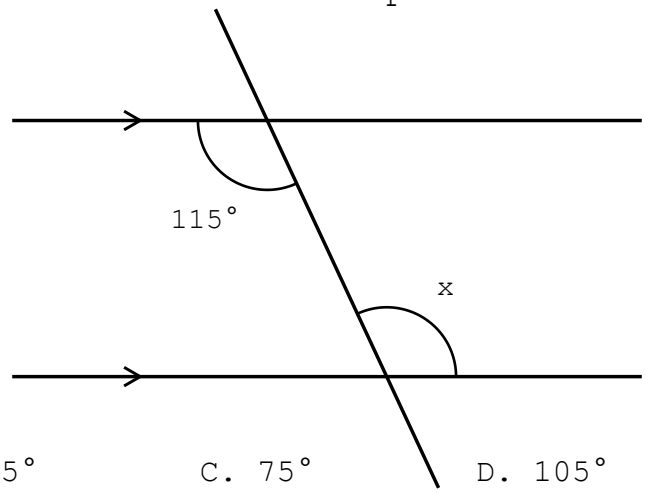
A. 60° B. 108° C. 120° D. 135° E. 144°

Q4. Work out the value of x.



A. 20° B. 30° C. 40° D. 45° E. 60°

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



A. 55° B. 65° C. 75° D. 105° E. 115°

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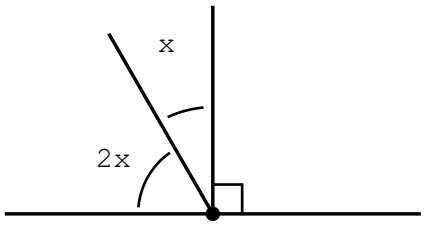
Q6. Work out the value of x.

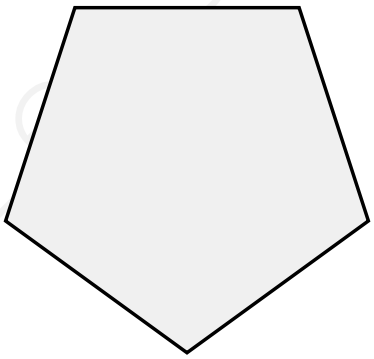


A. 20° B. 30° C. 36° D. 45° E. 60°

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

A. 45° B. 60° C. 72° D. 90° E. 135°

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



A. 1 B. 2 C. 3 D. 5 E. 10

Q9. Two angles meet at a point and are in the ratio 1 : 5. What is the larger angle?

A. 60° B. 150° C. 250° D. 288° E. 300°

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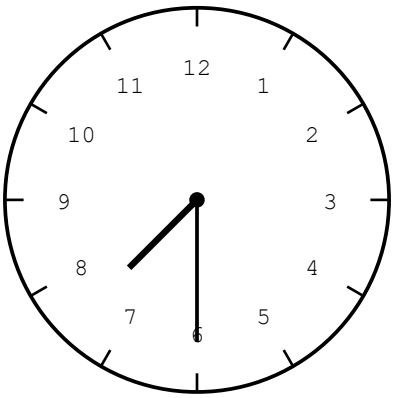
Q10. What is the size of the angle between the hands of this clock?



A. 15° B. 30° C. 45° D. 60° E. 75°

Q11. Three angles of a quadrilateral are 110°, 75° and 60°. What is the fourth angle?

A. 105° B. 115° C. 125° D. 135° E. 145°

Q12. What do the interior angles of a heptagon (7 sides) add up to?

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

Q13. Two angles of a triangle are 40° and 75°. One side is extended to make an exterior angle at the third corner. How big is that exterior angle?

A. 65° B. 105° C. 115° D. 125° E. 140°

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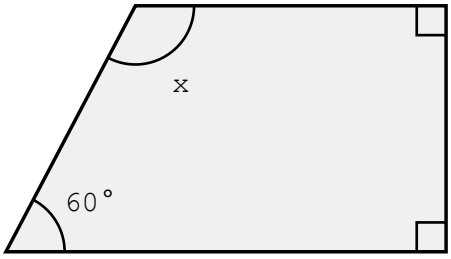
Q14. Work out the size of angle x in this trapezium.



A. 100° B. 110° C. 115° D. 120° E. 130°

Q15. Which quadrilateral has diagonals that are equal in length AND cross at right angles?

A. Rectangle

B. Rhombus

C. Square

D. Kite

E. Parallelogram

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