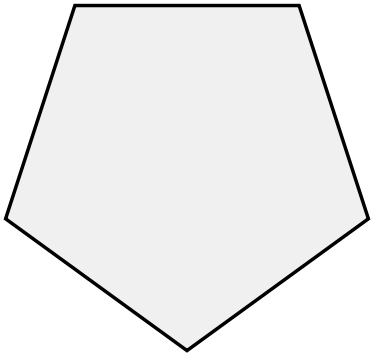
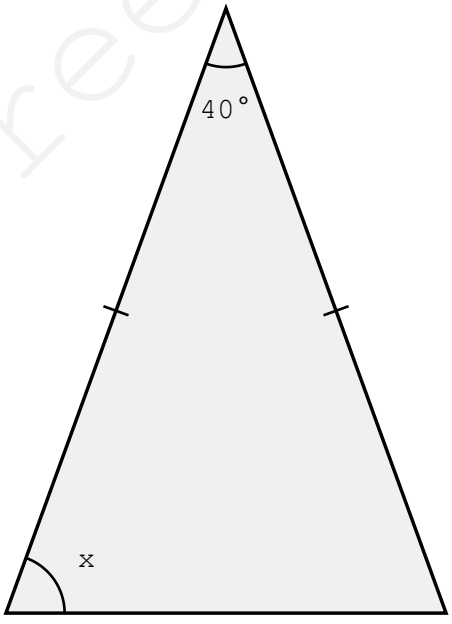
Geometry: 2D Shapes & Angles: Medium Practice Paper 1

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



A. 540° B. 600° C. 720° D. 900° E. 1080°

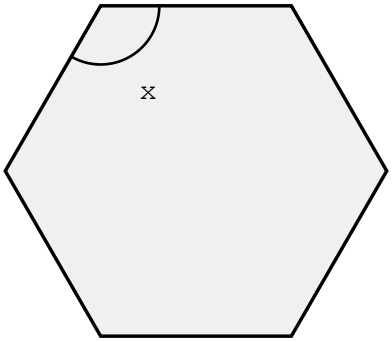
Q2. The two dashed sides of this triangle are equal. Work out the size of angle x.



A. 35° B. 55° C. 70° D. 110° E. 140°

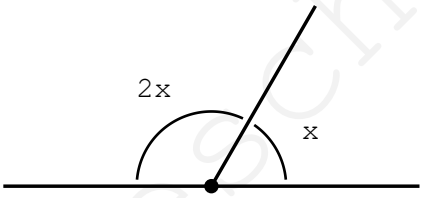
myfreeschool

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



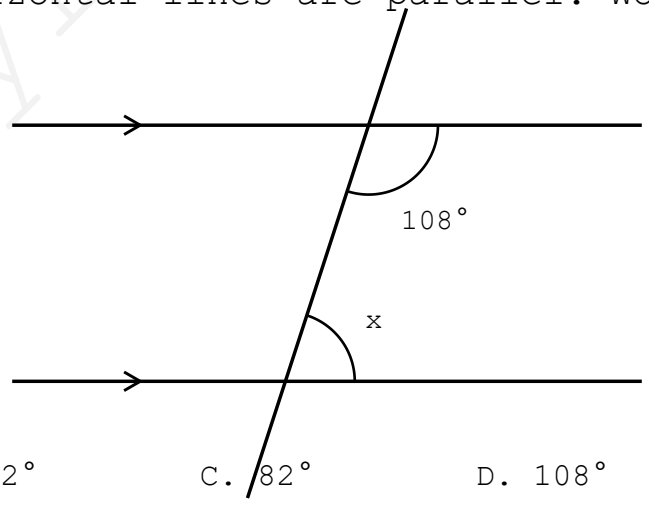
A. 60° B. 90° C. 100° D. 108° E. 120°

Q4. Work out the value of x.



A. 45° B. 60° C. 72° D. 90° E. 120°

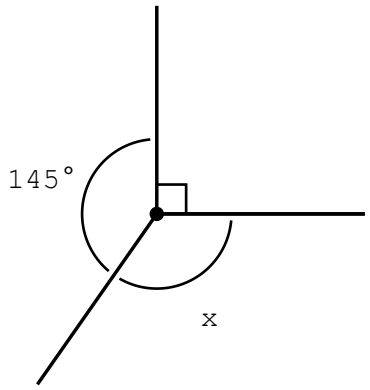
Q5. The two horizontal lines are parallel. Work out the size of angle x.



A. 36° B. 72° C. 82° D. 108° E. 118°

myfreeschool

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



A. 95° B. 105° C. 115° D. 125° E. 135°

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

A. 36° B. 60° C. 72° D. 108° E. 120°

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



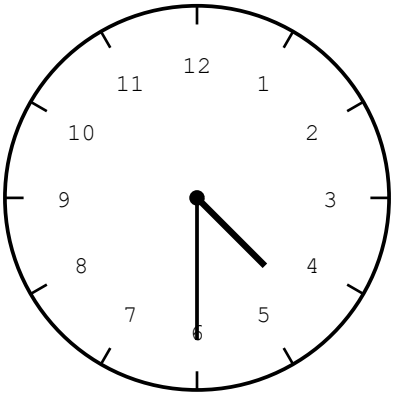
A. 1 B. 2 C. 3 D. 4 E. 6

Q9. Two angles sit next to each other on a straight line. One is four times the other. What is the smaller angle?

A. 18° B. 24° C. 30° D. 36° E. 45°

myfreeschool

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



A. 30° B. 45° C. 60° D. 75° E. 90°

Q11. Three angles of a quadrilateral are 85°, 95° and 100°. What is the fourth angle?

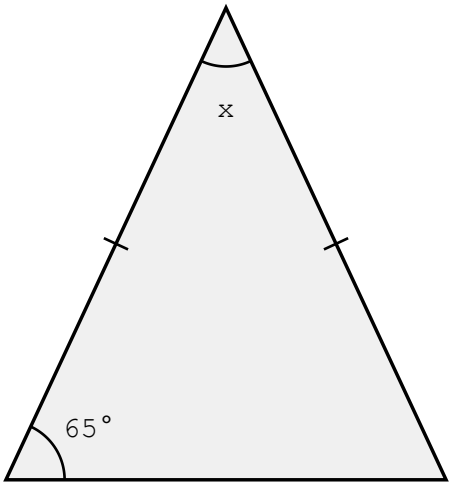
A. 70° B. 80° C. 90° D. 100° E. 110°

Q12. What do the interior angles of an octagon add up to?

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

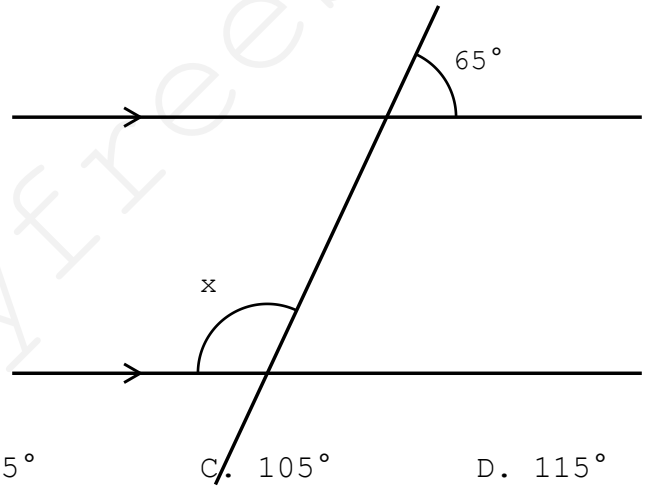
myfreeschool

Q13. The two dashed sides of this triangle are equal. Work out the size of angle x.



A. 50° B. 55° C. 65° D. 115° E. 130°

Q14. The two horizontal lines are parallel. Work out the size of angle x.



A. 55° B. 65° C. 105° D. 115° E. 125°

Q15. The angles of a triangle are in the ratio 1 : 2 : 3. What is the largest angle?

A. 30° B. 60° C. 90° D. 120° E. 150°

myfreeschool