

8 CLASS MATH TUITION ASSIGNMENT

Assignment – 3

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Chapter = Understanding Quadrilateral

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MM = 20

Q1. The exterior angle of a regular polygon is one-fifth of its interior angle. How many sides have the polygon?

Q2. Find the measure of an interior angle of a regular polygon having 15 sides.

Q3. The interior angle of a regular is 108° . Find the number of sides of the polygon.

Q4. The perimeter of a parallelogram is 150 cm. One of its side is greater than the other by 25 cm. Find length of all sides of the parallelogram.

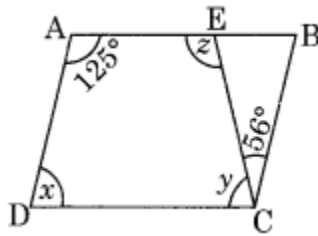
Q5. Adjacent sides of a rectangle are in the ratio 5 : 12, if the perimeter of the rectangle is 34 cm, find the length of the diagonal.

Q6. The opposite angles of a parallelogram are $(3x + 5)^\circ$ and $(61 - x)^\circ$. Find the measure of four angles.

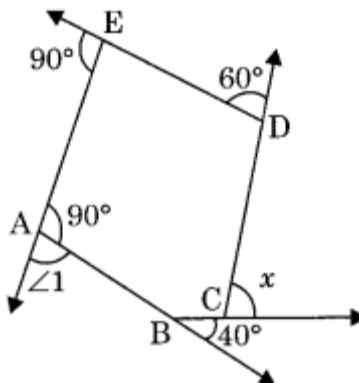
Q7. Find the measure of all four angles of a parallelogram whose consecutive angles are in the ratio 1 : 3.

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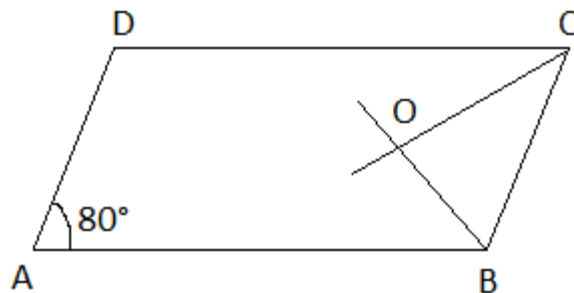
Q8. In the given figure, ABCD is a parallelogram. Find x , y and z .



Q9. Find x in the following figure



Q10. ABCD is a parallelogram with $\angle A = 80^\circ$. The internal bisectors of $\angle B$ and $\angle C$ meet each other at O. Find the measure of the three angles of $\triangle BCO$.



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