

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

SYMMETRY

SESSION -2024-25

CLASS - 7th

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Time: 1 hr ∴ Symmetry :-

mm!

Q. 1. State the number of lines of Symmetry for the following figures:

(i) A Square, (ii) A regular hexagon,



Q. 2. What letter of the English alphabet have reflection Symmetry (i.e. Symmetry related to mirror reflection) about.

(i) a vertical mirror (ii) a Horizontal mirror.

Q. 3. Give three examples of shapes with no line of Symmetry.



Q. 4. What other name can you give to the line of Symmetry of

(i) ~~what~~ an isosceles triangle. (ii) a circle.

Q. 5. Name any two figures that have both line Symmetry and rotational Symmetry.

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Q. 6. Draw, wherever possible, a rough sketch of.

(i) A triangle with both line and rotational symmetries of order more than 1.

(ii) A quadrilateral with line symmetry but not a rotational symmetry of order more than 1.



Q. 7. If a figure has two or more lines of symmetry, should it have rotational symmetry of order more than 1.

Q. 8. Name the quadrilaterals which have both line and rotational symmetry of order more than 1.

Q. 9. After rotating by 60° about a centre, a figure looks exactly the same as its original position. At what other angles will this happen for the figure?



Q. 10. Can we have a rotational symmetry of order more than 1 whose angle of rotation is :

(i) 45° ?

(ii) 17° ?

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