

By. Er. Dharmendra Sir

7974073108, 9584873492

DPM CLASSES

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

TEST - PAPER (CBSE/NCERT)

UNDERSTANDING ELEMENTRY SHAPES

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CLASS - 6th

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Time : 1 hr :- Understanding Elementary :- mm!
Shapes

Q. 1. If A, B, C are three points on a line such that $AB = 5 \text{ cm}$, $BC = 3 \text{ cm}$ and $AC = 8 \text{ cm}$. Which one of them lies between the other two?

Q. 2. What fraction of a clockwise revolution does the hour hand of a clock turn through when it goes from:

(a) 12 to 9

(b) 6 to 3



Q. 3. Find the number of right angles turned through by the hour hand of a clock when it goes from:

(a) 10 to 4

(b) 5 to 11

Q. 4. What is the measure of (i) a right angle?
(ii) A straight angle?



Q. 5. Let \overline{PQ} be the perpendicular to the line segment \overline{XY} , let \overline{PQ} and \overline{XY} intersect in the point A. What is the measure of $\angle PAQ$?

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Q.6. Name the types of following triangles:

(i) $\triangle DEF$ with $\angle D = 90^\circ$

(ii) $\triangle PQR$ such that $PQ = QR = PR = 5\text{ cm}$.

Q.7. Give reasons for the following:



(i) Square is also a parallelogram.

(ii) A rectangle can be thought of as a special parallelogram.

Q.8. Draw a rough sketch a regular hexagon. Connecting any three of its vertices, draw a triangle. Identify the type of the triangle you have drawn.

Q.9. Draw a rough sketch of a regular octagon. Draw a rectangle by joining exactly four of the vertices of the octagon.



Q.10. A diagonal is a line segment that joins any two vertices of the polygon and is not a side of the polygon. Draw a rough sketch of a pentagon and draw its diagonals.

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