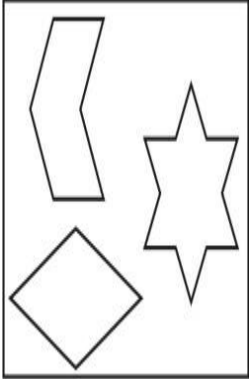
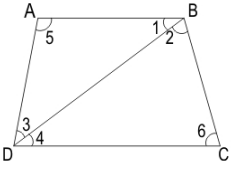
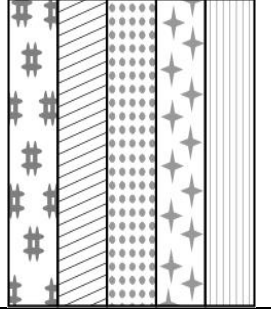
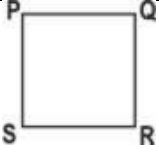
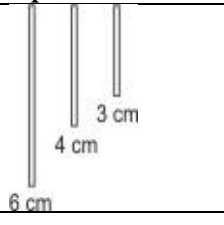
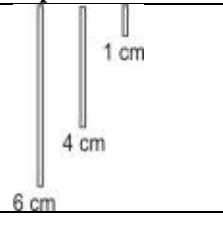
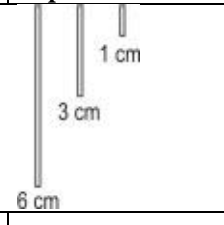
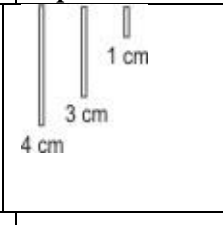
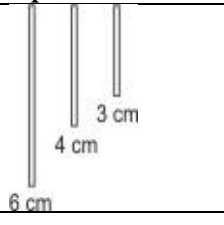
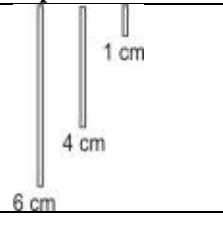
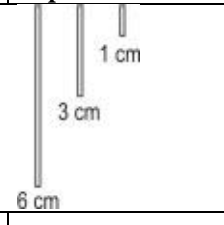
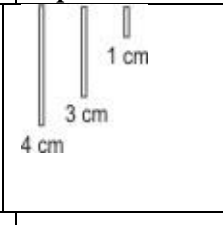
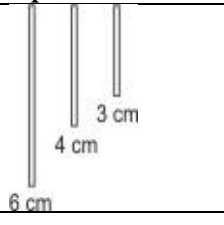
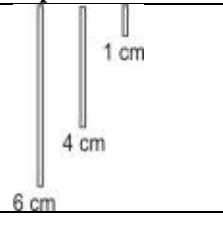
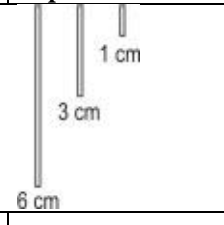
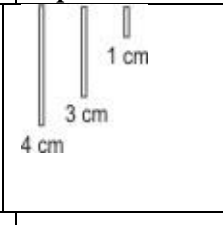
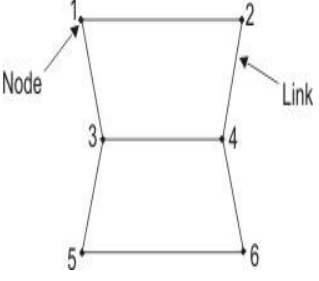
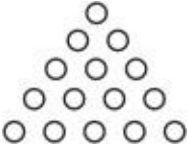
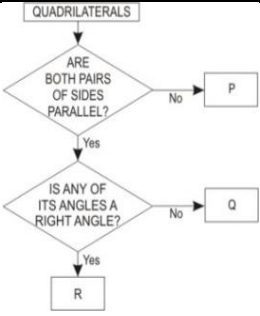
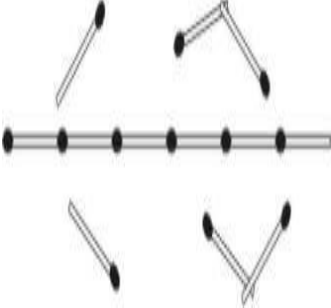


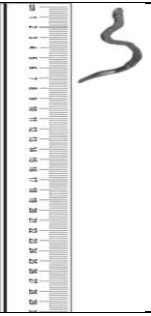

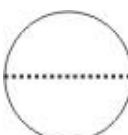
Set-7

Q. N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)																			
1	3_19 2744	Understanding Quadrilaterals	Look at the group of figures in the box here. Which of the following properties fit ALL the figures in the box?		A																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Answer Options</th> </tr> <tr> <th style="width: 25%;">Option A</th> <th style="width: 25%;">Option B</th> <th style="width: 25%;">Option C</th> <th style="width: 25%;">Option D</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">All the sides are equal and at least one pair of sides is parallel</td> <td style="text-align: center;">At least one pair of sides is parallel and all the interior angles are acute</td> <td style="text-align: center;">At least one pair of sides is parallel and all the angles are equal</td> <td style="text-align: center;">All the sides are equal and all the interior angles are obtuse</td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	All the sides are equal and at least one pair of sides is parallel	At least one pair of sides is parallel and all the interior angles are acute	At least one pair of sides is parallel and all the angles are equal	All the sides are equal and all the interior angles are obtuse							
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2	3_19 2747	Understanding Quadrilaterals	<p>Some students are measuring and examining diagonal properties of quadrilaterals in their Geometry class. They have so far measured four quadrilaterals given in a worksheet and recorded their findings in a table as shown below. Which of the quadrilaterals measured by the students is a rectangle?</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 25%;">Name of the quadrilateral</th> <th style="width: 25%;">Diagonals bisect each other</th> <th style="width: 25%;">Diagonals are equal</th> <th style="width: 25%;">Diagonals are perpendicular</th> </tr> </thead> <tbody> <tr> <td>EFGH</td> <td>Yes</td> <td>No</td> <td>No</td> </tr> <tr> <td>IJKL</td> <td>No</td> <td>No</td> <td>No</td> </tr> <tr> <td>MNOP</td> <td>No</td> <td>No</td> <td>Yes</td> </tr> <tr> <td>QRST</td> <td>Yes</td> <td>Yes</td> <td>No</td> </tr> </tbody> </table>	Name of the quadrilateral	Diagonals bisect each other	Diagonals are equal	Diagonals are perpendicular	EFGH	Yes	No	No	IJKL	No	No	No	MNOP	No	No	Yes	QRST	Yes	Yes	No	D
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		Answer Options			
		Option A	Option B	Option C	Option D
		EFGH	IJKL	MNOP	QRST
					MNOI
3	5_27 8386	Understanding Quadrilaterals	ABCD is a trapezium with AB parallel to CD. Which of the following CANNOT be concluded based on this?		B
		Answer Options			
		Option A	Option B	Option C	Option D
		$\angle 1 = \angle 4$	$\angle 2 = \angle 3$	$\angle 1 + \angle 2 + \angle 6 = 180^\circ$	$\angle 3 + \angle 4 + \angle 5 = 180^\circ$
4	5_27 8416	Understanding Quadrilaterals	Five identical rectangular pieces of cloth of different prints when arranged as shown form a square patch. If the perimeter of each rectangular piece is 48 cm, what is the perimeter of the square patch?		D
		AnswerOptions			
		Option A	Option B	Option C	Option D
		240cm	120cm	96cm	80cm
5	5_28 10047	Understanding Quadrilaterals	<p>Rahul and Tapan are playing a guessing game with shapes. Rahul draws a quadrilateral and answers Tapan's questions as follows:</p> <p>Tapan: Are all its sides equal? Rahul: Yes.</p> <p>Tapan: Are its diagonals equal? Rahul: No. Which of the following is the MOST accurate description of the shape that Rahul has drawn?</p>		D

		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="4" style="text-align: center;">Answer Options</th> </tr> <tr> <th style="width: 25%;">Option A</th> <th style="width: 25%;">Option B</th> <th style="width: 25%;">Option C</th> <th style="width: 25%;">Option D</th> </tr> <tr> <td>Square</td> <td>Rectangle</td> <td>Parallelogram</td> <td>Rhombus</td> </tr> </table>				Answer Options				Option A	Option B	Option C	Option D	Square	Rectangle	Parallelogram	Rhombus
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Option A	Option B	Option C	Option D														
Square	Rectangle	Parallelogram	Rhombus														
6	5_28 10065	Understanding Quadrilaterals	An equilateral triangle TSR is to be drawn on base SR of square PQRS. Where will point T lie?		B												
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="4" style="text-align: center;">Answer Options</th> </tr> <tr> <th style="width: 25%;">Option A</th> <th style="width: 25%;">Option B</th> <th style="width: 25%;">Option C</th> <th style="width: 25%;">Option D</th> </tr> <tr> <td>Inside square PQRS</td> <td>On the midpoint of side PQ</td> <td>Exactly on point P</td> <td>Outside the square, over the top of PQ</td> </tr> </table>				Answer Options				Option A	Option B	Option C	Option D	Inside square PQRS	On the midpoint of side PQ	Exactly on point P	Outside the square, over the top of PQ
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7	5_29 11377	Understanding Quadrilaterals	Using which set of sticks can a triangle be formed?		A												
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="4" style="text-align: center;">Answer Options</th> </tr> <tr> <th style="width: 25%;">Option A</th> <th style="width: 25%;">Option B</th> <th style="width: 25%;">Option C</th> <th style="width: 25%;">Option D</th> </tr> <tr> <td>  </td> <td>  </td> <td>  </td> <td>  </td> </tr> </table>				Answer Options				Option A	Option B	Option C	Option D				
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Option A	Option B	Option C	Option D														
																	
8	5_29 11398	Understanding Quadrilaterals	The figure below is called a network. It is made up of links and nodes. The aim is to start from a node and complete a full route of the links WITHOUT REPEATING ANY LINK (though a node may be repeated). Is it possible to do this?		C												
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="4" style="text-align: center;">Answer Options</th> </tr> <tr> <th style="width: 25%;">Option A</th> <th style="width: 25%;">Option B</th> <th style="width: 25%;">Option C</th> <th style="width: 25%;">Option D</th> </tr> <tr> <td>It is possible starting from any node.</td> <td>It is possible only if we start from nodes 1 or 2</td> <td>It is possible only if we start from nodes 3 or 4</td> <td>It is not possible.</td> </tr> </table>				Answer Options				Option A	Option B	Option C	Option D	It is possible starting from any node.	It is possible only if we start from nodes 1 or 2	It is possible only if we start from nodes 3 or 4	It is not possible.
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9	5_29 12340	Understanding Quadrilaterals	A triangular array is formed by placing 15 identical plastic chips. The LEAST number of chips that have to be moved to INVERT the triangle (to an upside-down arrangement) is		C												
<table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="4">AnswerOptions</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>10</td> <td>7</td> <td>5</td> <td>4</td> </tr> </table>						AnswerOptions				Option A	Option B	Option C	Option D	10	7	5	4
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10	7	5	4														
10	5_26 1698	Understanding Quadrilateral	According to Nadeem's classification, which box or boxes would contain Parallelograms? Answer the question based on the given information. Nadeem is drawing a flowchart to classify quadrilaterals.		B												
<table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="4">AnswerOptions</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>both P and Q</td> <td>both Q and R</td> <td>only Q</td> <td>only R</td> </tr> </table>						AnswerOptions				Option A	Option B	Option C	Option D	both P and Q	both Q and R	only Q	only R
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Option A	Option B	Option C	Option D														
both P and Q	both Q and R	only Q	only R														
11	5_28 10063	Practical Geometry	Qadir wanted to form a triangle with exactly 12 identical matchsticks, without bending or breaking any. He makes one side of the triangle with 6 matches. How many matchsticks should he use for the other two sides (respectively)?		D												
<table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="4">AnswerOptions</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>3 matchsticks, 3 matchsticks</td> <td>4 matchsticks, 2 matchsticks</td> <td>5 matchsticks, 1 matchstick</td> <td>He will not be able to make a triangle.</td> </tr> </table>						AnswerOptions				Option A	Option B	Option C	Option D	3 matchsticks, 3 matchsticks	4 matchsticks, 2 matchsticks	5 matchsticks, 1 matchstick	He will not be able to make a triangle.
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12	5_28 10041	Practical Geometry	The length of the worm shown next to the ruler below is about		B										
		<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">AnswerOptions</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>7.5cm</td> <td>10cm</td> <td>15cm</td> <td>22.5</td> </tr> </tbody> </table>				AnswerOptions				Option A	Option B	Option C	Option D	7.5cm	10cm
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Option A	Option B	Option C	Option D												
7.5cm	10cm	15cm	22.5												
13	5_29 11369	Square and Square roots	What number should come in the box to make the following statement true? $3^4 + 3^2 = 9 \times \square$		C										
		<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">AnswerOptions</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>7</td> <td>10</td> <td>81</td> </tr> </tbody> </table>				AnswerOptions				Option A	Option B	Option C	Option D	4	7
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Option A	Option B	Option C	Option D												
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14	5_26 Mathe matics 1670	Comparing Quantities	What percent of figure 1 is figure 2?	 Fig. 1  Fig. 2	C										
		<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">AnswerOptions</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>33%</td> <td>150%</td> <td>200%</td> <td>300%</td> </tr> </tbody> </table>				AnswerOptions				Option A	Option B	Option C	Option D	33%	150%
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15	5_26 Mathe matics 1671	Comparing Quantities	To boost sales, a car company slashed the price of a particular model by one eighth from the existing price of Rs. 5.26 lakhs. The price was brought down by about		D										

<table border="1"> <tr> <th colspan="4">AnswerOptions</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>Rs 4400</td> <td>Rs 6600</td> <td>Rs 44000</td> <td>Rs 66000</td> </tr> </table>						AnswerOptions				Option A	Option B	Option C	Option D	Rs 4400	Rs 6600	Rs 44000	Rs 66000
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