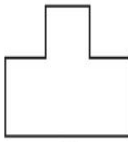
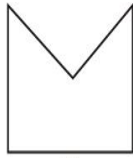
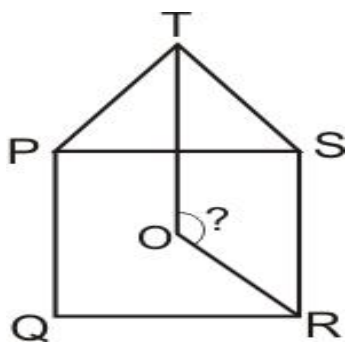

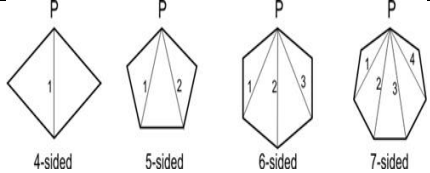
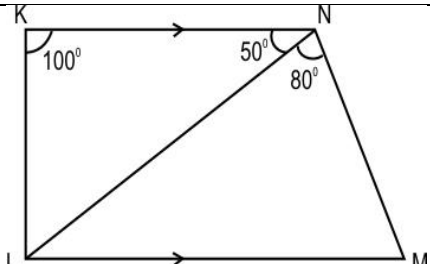
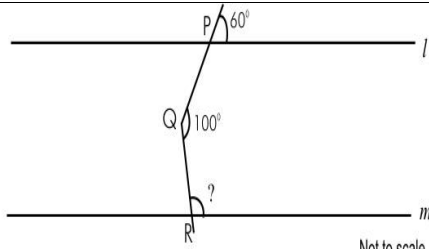
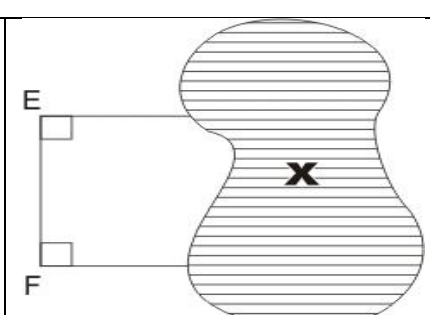
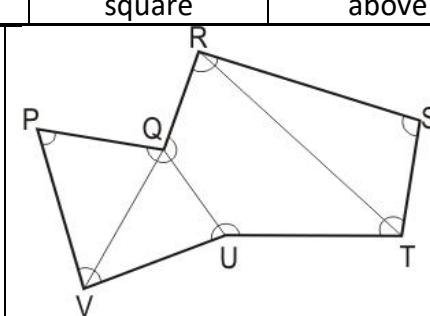
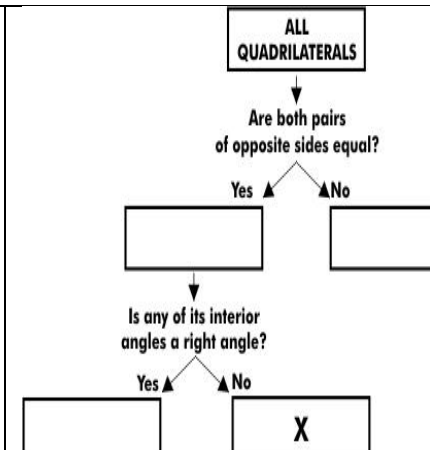


Set-6

Q. N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)												
1	2_11 Mathematics 4421	Understanding Quadrilateral	If the measure of one angle of an isosceles triangle is 40° , another angle of the triangle CANNOT measure		C												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">AnswerOptions</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;">40°</td> <td style="text-align: center;">70°</td> <td style="text-align: center;">80°</td> <td style="text-align: center;">100°</td> </tr> </tbody> </table>						AnswerOptions				Option A	Option B	Option C	Option D	40°	70°	80°	100°
AnswerOptions																	
Option A	Option B	Option C	Option D														
40°	70°	80°	100°														
2	2_11 Mathematics 4424	Understanding Quadrilateral	<p>Kusum drew m figures like P on a page 1 and figure Q on page 2.</p> <p>Compared to page 2, how many more straight lines are there on page 1</p>	 <p style="text-align: center;">P</p>  <p style="text-align: center;">Q</p>	D												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">AnswerOptions</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;">3</td> <td style="text-align: center;">3m</td> <td style="text-align: center;">$8m - 1$</td> <td style="text-align: center;">$8m - 5$</td> </tr> </tbody> </table>						AnswerOptions				Option A	Option B	Option C	Option D	3	3m	$8m - 1$	$8m - 5$
AnswerOptions																	
Option A	Option B	Option C	Option D														
3	3m	$8m - 1$	$8m - 5$														
3	2_11 Mathematics 5290	Understanding Quadrilateral	The roads connecting the houses of Ravi, Sunil, Kapil and Roger form a quadrilateral as shown here. Let us refer to the quadrilateral as KLMN. It is not known which corner is K, which is L, etc.		A												

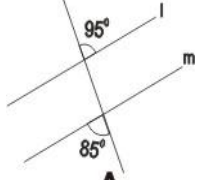
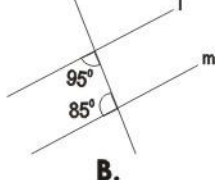

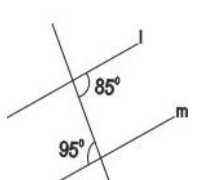
		<p>It is known that $\angle K$</p> <p>+ $\angle M > 180^\circ$ and that $\angle L$ is not the smallest angle of the quadrilateral.</p>														
<table border="1"> <tr> <th colspan="4">AnswerOptions</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>Ravi</td> <td>Sunil</td> <td>Kapil</td> <td>Roger</td> </tr> </table>					AnswerOptions				Option A	Option B	Option C	Option D	Ravi	Sunil	Kapil	Roger
AnswerOptions																
Option A	Option B	Option C	Option D													
Ravi	Sunil	Kapil	Roger													
4	<p>2_11 Mathematics 4448</p>	<p>Understanding Quadrilateral</p> <p>In the figure shown below, PQRS is a square and TPS is an equilateral triangle. The bisectors of angle PTS and angle QRS meet at point O.</p> <p>What is the measure of angle TOR?</p>		A												
<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>135°</td> <td>140°</td> <td>145°</td> <td>150°</td> </tr> </table>					AnswerOptions				Option A	Option B	Option C	Option D	135°	140°	145°	150°
AnswerOptions																
Option A	Option B	Option C	Option D													
135°	140°	145°	150°													
5	<p>2_11 Mathematics 4450</p>	<p>Understanding Quadrilateral</p> <p>Venu has a rectangular sheet of cardboard:</p> <p>With a single straight cut, he cuts the rectangular sheet into two pieces.</p> <p>The total number of corners on the two resulting pieces COULD be</p>		C												

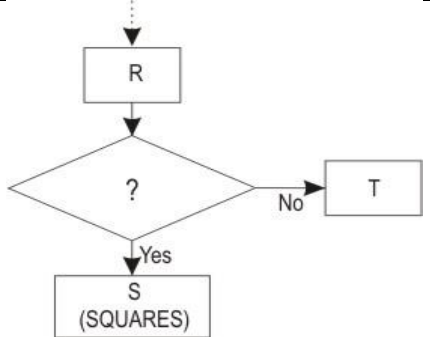
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="4">AnswerOptions</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>4</td> <td>5</td> <td>7</td> <td>10</td> </tr> </table>				AnswerOptions				Option A	Option B	Option C	Option D	4	5	7	10
AnswerOptions																	
Option A	Option B	Option C	Option D														
4	5	7	10														
6	2_10 Mathematics 5866	UNDERSTANDING QUADRILATERALS Look at the polygons shown below. In each of them, ALL the diagonals drawn from ONE vertex are shown. From these we can say that the number of diagonals that can be drawn from any one vertex of a 20-sided polygon is		C													
		<table border="1" style="margin-left: auto; margin-right: auto;"> <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>20</td> <td>19</td> <td>17</td> <td>16</td> </tr> </table>				AnswerOptions				Option A	Option B	Option C	Option D	20	19	17	16
AnswerOptions																	
Option A	Option B	Option C	Option D														
20	19	17	16														
7	2_10 Mathematics 5880	UNDERSTANDING QUADRILATERALS The figure given is NOT to scale.) If $KN \parallel LM$, the sides of KLMN in increasing order are		B													
		<table border="1" style="margin-left: auto; margin-right: auto;"> <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>KL, KN, MN, LM</td> <td>KN, KL, MN, LM</td> <td>MN, KL, KN, LM</td> <td>KN, MN, KL, LM</td> </tr> </table>				AnswerOptions				Option A	Option B	Option C	Option D	KL, KN, MN, LM	KN, KL, MN, LM	MN, KL, KN, LM	KN, MN, KL, LM
AnswerOptions																	
Option A	Option B	Option C	Option D														
KL, KN, MN, LM	KN, KL, MN, LM	MN, KL, KN, LM	KN, MN, KL, LM														
8	2_10 Mathematics 5881	UNDERSTANDING QUADRILATERALS In the above figure, lines l and m are parallel. What is the measure of $\angle R$?		C													
		Not to scale															

		<table border="1" style="margin-left: auto; margin-right: auto;"> <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>100°</td> <td>120°</td> <td>120°</td> <td>160°</td> </tr> </table>				AnswerOptions				Option A	Option B	Option C	Option D	100°	120°	120°	160°
AnswerOptions																	
Option A	Option B	Option C	Option D														
100°	120°	120°	160°														
9	3_18 Mathematics 3358	UNDERSTANDING QUADRILATERALS	A part of quadrilateral EFGH is covered with an object X. Which of the following is DEFINITELY true about quadrilateral EFGH?		D												
		<table border="1" style="margin-left: auto; margin-right: auto;"> <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>It must be a parallelogram</td> <td>It must be a rectangle</td> <td>It must be a square</td> <td>none of the above</td> </tr> </table>				AnswerOptions				Option A	Option B	Option C	Option D	It must be a parallelogram	It must be a rectangle	It must be a square	none of the above
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It must be a parallelogram	It must be a rectangle	It must be a square	none of the above														
10	3_18 Mathematics 3376	UNDERSTANDING QUADRILATERALS	What is the sum of all the interior angles (marked in the figure) of polygon PQRSTUV?		D												
		<table border="1" style="margin-left: auto; margin-right: auto;"> <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>360°</td> <td>420°</td> <td>720°</td> <td>900°</td> </tr> </table>				AnswerOptions				Option A	Option B	Option C	Option D	360°	420°	720°	900°
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11	1_4 Mathematics 7598	UNDERSTANDING QUADRILATERALS	<p>The chart given below puts quadrilaterals in different boxes according to certain conditions.</p> <p>According to the conditions in this chart, which type of quadrilaterals will be placed in the box marked X?</p>		A												

		<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>all those parallelograms which are not rectangles</td> <td>all those rhombuses which are not squares</td> <td>all rectangles</td> <td>all those rectangles which are not squares</td> </tr> </table>				AnswerOptions				Option A	Option B	Option C	Option D	all those parallelograms which are not rectangles	all those rhombuses which are not squares	all rectangles	all those rectangles which are not squares
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12	1_4 Mathematics 7601	UNDERSTANDING QUADRILATERALS The roads connecting the houses of Ravi, Sunil, Kapil and Roger form a quadrilateral as shown here. Let us refer to the quadrilateral as KLMN. It is not known which corner is K, which is L, etc. It is known that $\angle K + \angle M > 180^\circ$ and that $\angle L$ is not the smallest angle of the quadrilateral.			A												
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AnswerOptions																	
Option A	Option B	Option C	Option D														
Ravi	Sunil	Kapil	Roger														
13	2_11 Mathematics 4429	UNDERSTANDING QUADRILATERALS A parallelogram MNOP will be a rectangle when diagonals MO and NP			A												
		<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>are equal</td> <td>are perpendicular</td> <td>bisect each other</td> <td>intersect at an angle of 45°</td> </tr> </table>				AnswerOptions				Option A	Option B	Option C	Option D	are equal	are perpendicular	bisect each other	intersect at an angle of 45°
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Option A	Option B	Option C	Option D														
are equal	are perpendicular	bisect each other	intersect at an angle of 45°														
14	5_26 1666	Understanding Quadrilaterals According to the angle measures given, in which figure are lines l and m parallel? (The figures are NOT to			B												

		scale)	
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AnswerOptions			
Option A	Option B	Option C	Option D
			

15	5_26 1699	Unders tanding Quadril aterals	Nadeem wants to extend the flowchart further from R to specify whether a given quadrilateral is a square. What question should he put in the box below R?		C
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AnswerOptions			
Option A	Option B	Option C	Option D
Are all the angles in the figure right angles?""	Are the opposite sides equal?""	Are any two adjacent sides of the figure equal?"" "	Are the opposite angles of the figure equal?""