3					
	2D Shapes	studu 😪			
Look at the 2D shapes in the block below and answer the questions which follow:					
A		F G			
Identify eac	Identify each of the shapes in the block above:				
A	B C				
D	E F				
G	H I				
J					
Which of th answer.	e above shapes can be classified as quadrilaterals? Giv	e 3 reasons for your			

Compare the similarities and differences between shapes; C, E, J and H, referring specifically to the sides and angles of the shapes.

Shape	Similarities Sides	Angles	Differences Sides	Angles
С, Е, Ј, Н				

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Complete the ta	ble below by lis	ting the no	. of vertice	es and line	es of sy	mmetry c	of each
the shapes listed	d: Shape	No. of	Vertices	No. of li Symme	nes of trv		
	A			-,	2	-	
	В						
	I						
	G						
	Н						
Using the gridlin 1. Parallelogra First connect the	e paper below, am 2 e two dots for e	draw the f 2. Octago ach shape	ollowing 21 on and then c	D-Shapes 3. T complete t	rapeziu he sha	um pe.	
Using the gridlin 1. Parallelogra First connect the 1.	e paper below, am 2 e two dots for e	draw the f 2. Octago ach shape 2.	ollowing 21 on and then c	D-Shapes 3. T complete t 3.	rapeziu he sha	um pe.	
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Grade 5



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Grade 5

2D-Shapes-Memo

Look at the 2D shapes in the block below and answer the questions which follow:

Identify each of the shapes in the block above:

A۰	-	Irregular	quadrilateral	В-	Pentagor
•••		in egalai	quadamacorar	2	· encage.

D - Ellipse

٦ E - Rhombus

- G Heptagon H - Trapezium
- J Rectangle

Which of the above shapes can be classified as quadrilaterals? Give 3 reasons for your answer.

A, C, E, H, J—all these shapes have 4 sides, all of these shapes have 4 vertices/corners and the sum of their inner angles is 360 °.

Compare the similarities and differences between shapes; C, E, J and H, referring specifically to the sides and angles of the shapes.

Shape	Similarities Sides	Angles	Differences Sides	Angles
С, Е, Ј, Н	All have 4 sides All have 4 vertices All have at least one pair of parallel sides	All inner angles add up to 360° J and H both have at least 2 right angles	C,E and J have two pairs of equal sides that are also parallel H has no equal sides	C and E have no right angles

Shape D can form the base of which two 3D-Shapes?

A cone or a cylinder

Complete the table below by filling the no. of vertices and lines of symmetry of each of the shapes listed:

Shape	No. of Vertices	No. of lines of Symmetry
А	4	0
В	5	5
I	10	10
G	7	7
Н	4	0

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C - Parallelogram

I - Decagon

F - Half circle or sphere



Draw a diameter for the smaller circle and a radius for the bigger circle, starting from the marked points:



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Triangles-Memo



Classify the following triangles according to their properties and angles: Calculate the size of the angles in each of the following:

Triangle	Type of Triangle	Classification according to angle	Description s
А	Isosceles	Obtuse	Two equal sides and equal angles, one angle bigger than 90° (180 - 24 - 24)
В	Scalene	Right-angled	No sides or angles equal, one right angle
С	Equilateral	Acute	All sides and angles equal
D	Isosceles	Right-angled	Two equal sides and equal angles, one right angle
E	Scalene	Obtuse	No sides or angles equal, one obtuse angle
1. A:	180º - (49 + 49)	2. A: 18	30° - (90 + 32)
	= 180° - 98°	=	180º - 122º
	= 82°	=	58°
В:	490		
3. A:	ABC = 60°	4.	QRP = 180° - (149 + 13)
	BCA = 60°		= 180° - 162°
	$CAB = 60^{\circ}$		= 18°

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