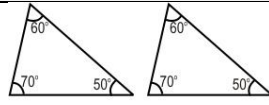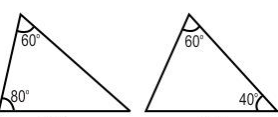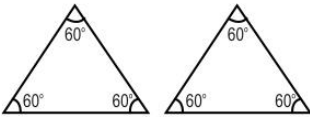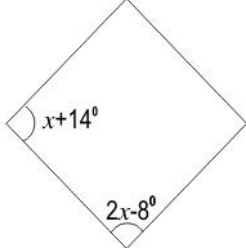| 1	2_11 Mathematics 4472	TRIANGLES	In which case will the pair of triangles DEFINITELY be congruent? (Figures not to scale - consider only measures given)		C

Answer Options

Option A	Option B	Option C	Option D
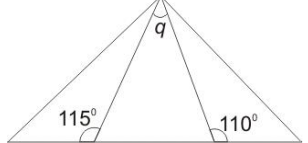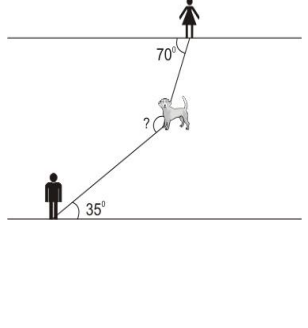
Option A: Two triangles — first with sides 2cm, 2cm, 2cm; second with sides 3cm, 3cm, 3cm. **A.**

Option B: Two triangles each with angles 60°, 70°, 50°. **B.**

Option C: Two triangles — first with angles 60°, 80° and base 4cm; second with angles 60°, 40° and base 4cm. **C.**

Option D: Two triangles each with angles 60°, 60°, 60°. **D.**

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	CorrectAnswer (Option-A,B,C,D)
2	5_27 8424	Quadrilaterals	What is the measure of the smaller angle in the rhombus shown in the image?	$x+14^0$ $2x-8^0$ (**Note:** Figure is NOT to scale)	B

Answer Options			
Option A	Option B	Option C	Option D
108^0	72^0	58^0	22^0
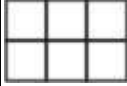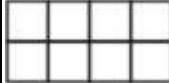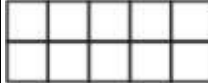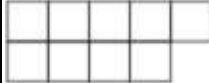
Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	CorrectAnswer (Option-A,B,C,D)
3	5_27 8432	Quadrilaterals	If four shapes - a square, a rectangle, a triangle and a circle - have the same area, which of them will have the smallest perimeter?		D

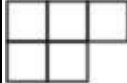| Answer Options				
	Option A	Option B	Option C	Option D
	the triangle	the square	the rectangle	the circle

Q.N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
4	2_11 MATHEMATICS 5307	Quadrilaterals	MNOP is a quadrilateral with$\angle$M: $\angle$N: $\angle$O: $\angle$P=2:2:1:1 and MN and OP ae opposite sides ,what kind of quadrilateral is MNOP		C
			Answer Options		
			Option A	Option B	Option C	Option D		
			A rectangle	A rhombus	A trapezium	A parallelogram		

5	3_18 Mathematics 3394	QUADRILATERALS	In quadrilateral ABCD, $\angle A + \angle B = \angle C + \angle D = 180°$. But $\angle A \neq \angle C$. Quadrilateral ABCD must be a		D

Answer Options			
Option A	Option B	Option C	Option D
Rectangle	Parallelogram	Rhombus	Trapezium
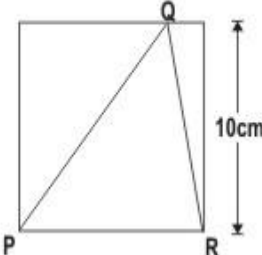
Q.N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
6	3_18 Mathematics 3405	QUADRILATERALS	A square is cut in half to form two equal rectangles. If each of the two resulting rectangles has a perimeter of p cm, what was the perimeter (in cm) of the original square?		D

Answer Options			
Option A	Option B	Option C	Option D
2p	$\frac{2}{3}p$	3p	$\frac{4}{3}p$

7	3__19 Mathematics 2792	QUADRILATERALS	What is the measure of the angle marked 'q' in the figure?		A

Answer Options			
Option A	Option B	Option C	Option D
45°	65°	67.5°	70°

8	3__19 Mathematics 2805	QUADRILATERALS	Leslie and Surekha were standing on opposite sides of a road. Suddenly, they spotted a puppy stranded on the road and both rushed straight to where the puppy was, to pick it up. If Leslie ran at an angle of 35^0 to the edge of the road and Surekha at an angle of 70° at what angle did their paths meet?		D

Answer Options			
Option A	Option B	Option C	Option D
75^0	105^0	135^0	145^0

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
9	5_28 10073	Areas of Parallelograms and Triangles	If represents 75%,which of the following represents125%		C

Answer Options			
Option A	Option B	Option C	Option D
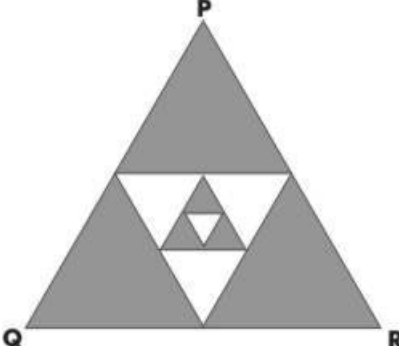
Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
10	5_28 10082	Areas of Parallelograms and Triangles	For a right-angled isosceles triangle , the ratio of the length of hypotenuse to the length of any of its smaller side		A

Answer Options			
Option A	Option B	Option C	Option D
Is always fixed and equal to √2 :1	Is always fixed and equal to 1:1	Is always fixed and equal to 2:1	Varies with the change in the length of its other sides.

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
11	5_28

10085 | Areas of Parallelograms and Triangles | **A square of side 10 cm has a triangle inscribed in it as shown. What is the area of triangle PQR?** | | B |

Answer Options			
Option A	Option B	Option C	Option D
45 cm²	50 cm²	$25\sqrt{3}$ cm²	Can't say without knowing the position of Q.

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
12	5_29 11780	Areas of Parallelograms and Triangles	Which two parallelograms are equal in area?		D

Answer Options			
Option A	Option B	Option C	Option D
PQRS and PQXY	PQRS and PQVW	PQTU and PQVW	Cannot be decided

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
13	5_28 10106	Areas of Parallelograms and Triangles	If all the white squares that touch the border of the board below are cut out, what will happen to the perimeter of the remaining piece as compared to that of the original board?	5 units	B

Answer Options			
Option A	Option B	Option C	Option D
it will increase by 16 units	it will increase by 8 units	it will decrease by 8 units	it will remain the same

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
15	5_28 10109	Areas of Parallelograms and Triangles	In the pattern below, each smaller triangle is formed by joining the midpoints of the triangle immediately larger than it. What part of triangle PQR is shaded?		D

Answer Options			
Option A	Option B	Option C	Option D
3/5	13/16	49/64	51/64