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Area of Special Quadrilateral-Rhombus	
A. Choose the correct answer:	
1. The formula for the area of a r	hombus is:
a) $\frac{1}{2}$ × (product of diagonals)	b) side × height
c) $\frac{1}{3}$ × (product of diagonals)	d) $\frac{1}{2}$ × (sum of diagonals)
2. If the diagonals of a rhombus a	
a) 45 cm ²	b) 40 cm ²
c) 50 cm²	d) 60 cm²
3. In a rhombus, the diagonals are	e:
a) Unequal and perpendicular	
	lar d) Equal and not perpendicular
	72 cm ² and one diagonal is 9 cm, the othe
diagonal is: a) 8 cm	b) 16 cm
c) 12 cm	d) 18 cm
5. The diagonals of a rhombus bis	,
a) 30°	b) 45°
c) 60°	d) 90°
B. Write the Missing Terms to Co	mplete the Sentences:
1. The diagonals of a rhombus are	eto each other
2. The area of a rhombus =	× product of diagonals
3. Each diagonal divides the rhom	bus into two triangles
4. In a rhombus, all four sides are	of length
5. The formula for area using side	and height is area = × side × height
C. Figure out the answers to these	e questions:
1. Find the area of a rhombus who	ose diagonals are 12 cm and 16 cm
2. If the area of a rhombus is 84 diagonal	4 cm ² and one diagonal is 7 cm, find the othe
3. Calculate the area of a rhombu	s if its diagonals are 15 cm and 20 cm
4. Find the side of a rhombus if its	s diagonals are 10 cm and 24 cm
5. Find the height of a rhombus if	its area is 60 cm ² and side is 10 cm

D. Mark each sentence with a True (\checkmark) or False (X):

- 1. The diagonals of a rhombus are equal in length.
- 2. The diagonals of a rhombus bisect each other at right angles. _____
- 3. The area of a rhombus is found using 1/2 × product of diagonals.
- 4. A rhombus is a special type of trapezium.
- 5. In a rhombus, the sides can have different lengths. _____

E. Challenge yourself with these questions:

- 1. Find the area of a rhombus whose diagonals measure 18 cm and 24 cm
- 2. Find the area of a rhombus whose diagonals are 7 cm and 24 cm
- Find the missing diagonal if the area of a rhombus is 96 cm² and one diagonal is 8 cm
- 4. A rhombus has side 13 cm and one diagonal 24 cm Find the other diagonal using Pythagoras theorem
- 5. The area of a rhombus is 150 cm² and one diagonal is 15 cm Find the other diagonal