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## MATHS

## BOOKS - S CHAND IIT JEE

## FOUNDATION

## PERIMETER AND AREA

## Solved Examples

1. Expenditure incurred in cultivating a square
field at the rate of Rs. 170 per hectare is Rs.
2. What would be the cost of fencing the field at the rate of Rs. 3 per metre ?

## D View Text Solution

2. The length of the diagonal of a square and that of the side of another square are both 10 cm . What is the ratio of the area of the first square to that of the second?
3. The length of one pair of opposite sides of a square is reduced by $10 \%$ and that of the other pair is increased by $10 \%$. Compare the area of the new rectangle with the area of the original square.

## - Watch Video Solution

4. The perimeter of the top of a rectangular table is 28 m whereas its ara is $48 \mathrm{~m}^{2}$. What is the length of its diagonal ?
5. In the given diagram, $A B C D$ is a rectangle.

ADEF, CDHG, BCLM and ABNO are four squares.
If the perimeter of $A B C D$ is 16 cm and total area of the four squares is $68 \mathrm{~cm}^{2}$, then what is the area of $A B C D$ ?

6. What is the area of the square $A B C D$ shown
in the
diagram


## ( Watch Video Solution

7. Find the area of a figure formed by a square of side 8 cm and an isosceles triangle with
base as one side of the square and perimeter as 18 cm .

## D Watch Video Solution

8. If the perimeter of a right angled isosceles
triangle is $\sqrt{2}+1$, then what is the length of
the hypotenuse?

D Watch Video Solution
9. If $x$ is the length of a median of an equilateral triangle, then its area is $x^{2}$ (b) $\frac{1}{2} x^{2}$
(c) $\frac{\sqrt{3}}{2} x^{2}$ (d) $\frac{\sqrt{3}}{3} x^{2}$

## D Watch Video Solution

10. From a point in the interior of an equilateral triangle the perpendiculr distances of the sides are $\sqrt{3} \mathrm{~cm}, 2 \sqrt{3} \mathrm{~cm}$ and $5 \sqrt{3}$. What is the perimeter (in cm ) of the triangle?
11. The sides of a triangle are $3 \mathrm{~cm}, 4 \mathrm{~cm}$ and 5 m. The area (in $\mathrm{cm}^{2}$ ) of the triangle formed by joining the mid points of this triangle is:

## D Watch Video Solution

12. $A B C D$ is a square of area $1 m^{2} . P$ and $Q$ are the midpoints of $A B$ and $B C$ respectively. What is the area of $\Delta \mathrm{DPQ}$ ?
13. If the height of a triangle is decreased by
$40 \%$ and its base is increased by $40 \%$, what
will be the effect on its area? (a) No change (b)
$8 \%$ decrease (c) $16 \%$ increase (d) $16 \%$ decrease

## D Watch Video Solution

14. If an equilateral triangle of area $X$ and $a$
square of area $Y$ have the same perimeter,
then $X$ is equal to $Y$ (b) greater than $Y$ (c)
less than $Y$ (d) less than or equal to $Y$
15. A lawn is in the form of an isosceles triangle. The cost of turfing it come to Rs. 1200 at Rs. 4 per $m^{2}$. If the base be 40 m long, find the length of each side.

## D View Text Solution

16. If the sides of an equilateral triangle are increased by 20\%, 30\% and 50\% respectively to form a new triangle, what is the percentage
increase in the perimeter of the equilateral triangle ?

## D Watch Video Solution

17. The base of a triangular field is three time its height. If the cost of cultivating the field at

Rs. 26.38 per hectare is Rs. 356.13 , find the base and height of the field.
18. The adjacent sides of a parallelogram are 15
cm and 8 cm . If the distance between
thelonger sides is 4 cm , find the distance between the shorter sides.

## - Watch Video Solution

19. If the base of a parallelogram is $(x+4)$, altitude to the base $(x-3)$ and the area is $\left(x^{2}-4\right)$, then the actual area is equal to .

## Question Bank 21 A

1. The length of a rectangle is increased by $60 \%$. By what percent would the width have to be reduced to maintain the same area ?
A. $37 \frac{1}{2} \%$
B. $60 \%$
C. $75 \%$
D. 120\%

## Answer: A

## D Watch Video Solution

2. A rectangular field has dimensions 25 m by

15m. Two mutually perpendicular passages, 2 $m$ wide have been left in its central part and grass has been grown in rest of the field. The area (in sq. metres) under the grass is (a) 295
(b) 299 (c) 300 (d) 375
A. $295 m^{2}$
B. $299 m^{2}$
C. $300 \mathrm{~m}^{2}$
D. $375 m^{2}$

Answer: B

- Watch Video Solution

3. The diagonal of a square is $4 \sqrt{2} \mathrm{~cm}$. The diagonal of another square whose area is double that of the first square is
A. 8 cm
B. $8 \sqrt{2} \mathrm{~cm}$
C. 16 cm
D. $4 \sqrt{2} \mathrm{~cm}$

Answer: A

D Watch Video Solution
4. If the length and breadth of a rectangular plot are each increased by 1 m , then the area of the floor is increased by 21 sq m . If the
length is increased by 1 m and breadth is
decreased by 1 m , then the area is decreased
by 5 sq m . What is is the perimeter of the floor ?
A. 30 m
B. 32 m
C. 36 m
D. 40 m

## Answer: D

5. A typist uses a sheet measuring 20 cm by 30
cm lengthwise. If a margin of 2 cm is left on
each side and a 3 cm margin on top and bottom, then the percent of page used for typing is
A. $40 \%$
B. $60 \%$
C. $64 \%$
D. 72\%

## D Watch Video Solution

6. A rectangular farm has to be fenced on one
long side, one short side and the diagonal. If the cost of fencing is Rs 100 per m, the area of the farm is 1200 m 2 and the short side is 30 m
long, how much would the job cost? (a) Rs

7000 (b) Rs 12000 (c) Rs 14000 (d) Rs 15000
A. Rs. 14,000
B. Rs. 12,000
C. Rs. 7000
D. Rs. 15,000

Answer: B

## D Watch Video Solution

7. The diagonal of a rectangle is $\sqrt{41} \mathrm{~cm}$ and its area is $20 \mathrm{sq} . \mathrm{cm}$. The perimeter of the rectangle must be (a) 9 cm (b) 18 cm (c) 20 cm (d) 41 cm
A. 9 cm
B. 18 cm
C. 41 cm
D. 20 cm

Answer: B

## D Watch Video Solution

8. The length and breadth of a rectangle are in
the ratio 3:2 respectively. If both the length
and breadth are extended by 1 m , the ratio of
length to breadth becomes $10: 7$. Find the area of the original rectangle in square metres.
A. $23 m^{2}$
B. $11 m^{2}$
C. $54 m^{2}$
D. $10 m^{2}$

Answer: C

D Watch Video Solution
9. The area of a 6 metres wide road outside a garden in all its four sides is 564 sq metres. If the length of the garden is 20 metres, what is its breadth ?
A. 18 metres
B. 16 metres
C. 15 metres
D. 19 metres

Answer: C

D Watch Video Solution
10. The ratio between the length and breadth of a rectangular garden is 5 : 3 . If the perimeter of the garden is 160 metres, what will be the area of 5 metre wide road around its outside?
A. $600 m^{2}$
B. $1200 m^{2}$
C. $900 m^{2}$
D. $1000 \mathrm{~m}^{2}$

## - Watch Video Solution

11. A square $S_{1}$ encloses another square $S_{2}$ in such a manner that each corner of $S_{2}$ is at the mid-point of the side of $S_{1}$. If $A_{1}$ is the area of $S_{1}$ and $A_{2}$ is the area of $S_{2}$, then $A_{1}=4 A_{2}$

$$
\text { (b) } A_{1}=2 A_{2} \text { (c) } A_{2}=2 A_{1} \text { (d) } A_{1}=A_{2}
$$

A. $A_{1}=A_{2}$
B. $A_{2}=2 A_{1}$
C. $A_{1}=2 A_{2}$
D. $A_{1}=4 A_{2}$

## Answer: C

## D Watch Video Solution

12. The perimeter of a rectangle and a square are 160 m each. The area of the rectangle is less than that of the square by 100 sq. m. The length of the rectangle is (a) 30 m (b) 40 m (c) 50m (d) 60 m
A. 30 m
B. 60 m
C. 40 m
D. 50 m

Answer: D

## D Watch Video Solution

13. The ratio between the length and perimeter of a rectangular plot is $1: 3$. What is
the rato between the length and breadth of the plot?
A. $1: 2$
B. 2:1
C. $3: 2$
D. 1:3

Answer: B

- Watch Video Solution

14. A rectangular paper, when folded into two congruent parts had a perimeter of 34 cm for each part folded along one set of sides and the same is 38 cm when folded along the other set of sides. What is the area of the paper? (a) 140 cm 2 (b) 240 cm 2 (c) 560 cm 2 (d)

None of these
A. $140 \mathrm{~cm}^{2}$
B. $240 \mathrm{~cm}^{2}$
C. $560 \mathrm{~cm}^{2}$

## D. $646 \mathrm{~cm}^{2}$

## Answer: A

## D Watch Video Solution

15. 50 square stone slabs of equal size were needed to cover a floor area of 72 sq . m. The
length of each stone slab is (a) 102 cm (b)
120 cm (c) 201 cm (d) 210 cm
A. 102 cm
B. 120 cm
C. 201 cm
D. 210 cm

Answer: B

## D Watch Video Solution

16. In a rectangle, the difference between the sum of adjacent sides and the diagonal is half the length of longer side. What is the ratio of the shorter to the longer side?
A. $\sqrt{3}: 2$
B. $1: \sqrt{3}$
C. 2:5
D. $3: 4$

## Answer: D

## D Watch Video Solution

17. $A$ took 15 seconds to cross a rectangular
field diagonally walking at the rate of 52 $\mathrm{m} / \mathrm{min}$ and $B$ took the same time to cross the
same field along its sides walking at the rate of $68 \mathrm{~m} / \mathrm{min}$. The area of the field is (a) 30 m 2
(b) 40 m 2 (c) 50 m 2 (d) 60 m 2
A. $30 m^{2}$
B. $40 m^{2}$
C. $50 m^{2}$
D. $60 \mathrm{~m}^{2}$

Answer: D

D Watch Video Solution
18. A rectangular plank $\sqrt{2} \mathrm{~m}$ wide is placed symmetrically on the diagonal of a square of side 8 metres as shown. What is the area of the plank?

A. $(16 \sqrt{2}-3) \mathrm{sq} \mathrm{m}$

$$
\text { B. } 7 \sqrt{2} \mathrm{sq} \mathrm{~m}
$$

C. 98 sq m
D. 14 sq m

## Answer: D

## D Watch Video Solution

19. Four sheets of $50 \mathrm{~cm} \times 5 \mathrm{~cm}$ are to be arranged in such a manner that a square could be formed. What will be the area of inner part of the square so formed ?
A. $2000 \mathrm{~cm}^{2}$
B. $2025 \mathrm{~cm}^{2}$
C. $1800 \mathrm{~cm}^{2}$
D. $2500 \mathrm{~cm}^{2}$

Answer: B

- Watch Video Solution


## Question Bank 21 B

1. The base of a triangle is 15 cm and height is

12 cm . The height of another triangle of double
the area having the base 20 cm is (a) 8 cm (b) 9 cm (c) 12.5 cm (d) 18 cm
A. 8 cm
B. 9 cm
C. 12.5 cm
D. 18 cm

## Answer: D

2. If the area of a triangle is 1176 cm 2 and base
: corresponding altitude is $3: 4$, then the altitude of the triangle is (a) 42 cm (b) 52 cm
(c) 54 cm (d) 56 cm
A. 42 m
B. 52 m
C. 54 m
D. 56 m

## Answer: D

## D Watch Video Solution

3. The hypotenuse of a right-angled isosceles
triangle is 5 cm . The area of the triangle is (a)
5 cm 2 (b) 6.25 cm 2 (c) 6.5 cm 2 (d) 12.5 cm 2
A. $5 \mathrm{~cm}^{2}$
B. $6.25 \mathrm{~cm}^{2}$
C. $6.5 \mathrm{~cm}^{2}$
D. $12.5 \mathrm{~cm}^{2}$

Answer: B

## - Watch Video Solution

4. What is the area of the given figure ? $A B C D$
is a rectangle and $B D E$ is an isosceles right triangle.

A. $a b$
B. $a b^{2}$
C. $c a b$
D. $b(a+b / 2)$

## Answer: D

## D Watch Video Solution

5. The ratio of bases of two triangles is $x: y$ and that of their areas is $a: b$. Then the ratio of their corresponding altitudes will be $a x: b y$
(b) $\frac{a}{x}: \frac{b}{y}$ (c) $a y: b x$ (d) $\frac{x}{a}: \frac{b}{y}$
A. $\frac{a}{x} \cdot \frac{b}{y}$
B. $a x: b y$
C. $a y: b x$
D. $\frac{x}{a} \cdot \frac{b}{y}$

Answer: A

## D Watch Video Solution

6. If $D$ and $E$ are the mid points of the sides $A B$ and $A C$ respectively of the triangle $A B C$ in the
figure given here, the shaded region of the
triangle is what per cent of the whole
triangular region?

A. 0.5
B. 0.25
C. 0.75
D. 0.6

## Answer: C

## D Watch Video Solution

7. The perimeter of a right angled triangle is 60 cm . Its hypotenuse is 26 cm . The area of the triangle is
A. $120 \mathrm{~cm}^{2}$
B. $240 \mathrm{~cm}^{2}$
C. $390 \mathrm{~cm}^{2}$
D. $780 \mathrm{~cm}^{2}$

Answer: A

## - Watch Video Solution

8. The area of an equilateral triangle is $400 \sqrt{3}$
sq.m. Its perimeter is :
A. 120 m
B. 150 m
C. 90 m
D. 135 m

Answer: A

## D Watch Video Solution

9. The areas of two equilateral triangles are in
the ratio $25: 36$. Their altitudes will be in the ratio (a) 25:36 (b) 36:25 (c) 5:6 (d) $\sqrt{5}: \sqrt{6}$
A. $36: 25$
B. $25: 36$
C. $5: 6$
D. $\sqrt{5}: \sqrt{6}$

## Answer: C

## - Watch Video Solution

10. From a point within an equilateral triangle,
perpendiculars drawn to the three sides are 6
$\mathrm{cm}, 7 \mathrm{~cm}$ and 8 cm respectively. The length of
the side of the triangle is
A. 7 cm
B. 10.5 cm
C. $14 \sqrt{3} \mathrm{~cm}$
D. $\frac{14 \sqrt{3}}{3} \mathrm{~cm}$

## Answer: C

## D Watch Video Solution

11. The height of an equilateral triangle is 10
cm . Its area is
A. $\frac{100}{3} \mathrm{~cm}^{2}$
B. $30 \mathrm{~cm}^{2}$
C. $100 \mathrm{~cm}^{2}$

## D. $\frac{100}{\sqrt{3}} \mathrm{~cm}^{2}$

## Answer: D

## D Watch Video Solution

12. An equilateral triangle is described on the diagonal of a square. What is the ratio of the area of the triangle to that of the square?

$$
2: \sqrt{3}(\mathrm{~b}) 4: \sqrt{3}(\mathrm{c}) \sqrt{3}: 2 \text { (d) } \sqrt{3}: 4
$$

A. $2: \sqrt{3}$
B. $4: \sqrt{3}$
C. $\sqrt{3}: 2$
D. $\sqrt{3}: 4$

## Answer: C

## D Watch Video Solution

13. A square and an equilateral triangle have
the same perimeter. If the diagonal of the square is $12 \sqrt{2} \mathrm{~cm}$, then the area of the triangle is
A. $24 \sqrt{3} \mathrm{~cm}^{2}$
B. $24 \sqrt{2} \mathrm{~cm}^{2}$
C. $64 \sqrt{3} \mathrm{~cm}^{2}$
D. $32 \sqrt{3} \mathrm{~cm}^{2}$

## Answer: C

## D Watch Video Solution

14. If the side of an equilateral triangle is decreased by $20 \%$, its area is decreased by (a)
A. 0.36
B. 0.64
C. 0.4
D. 0.6

Answer: A

D Watch Video Solution
15. If the sides of a triangle are $5 \mathrm{~cm}, 4 \mathrm{~cm}$ and
$\sqrt{41} \mathrm{~cm}$, then the area of the triangle is
A. $20 \mathrm{~cm}^{2}$
B. $(5+4+\sqrt{41}) \mathrm{cm}^{2}$
C. $\frac{5+4+\sqrt{41}}{2} \mathrm{~cm}^{2}$
D. $10 \mathrm{~cm}^{2}$

## Answer: D

## D Watch Video Solution

16. The area of a triangle is 216 cm 2 and its
sides are in the ratio 3:4:5. The perimeter of
the triangle is (a) 6 cm (b) 12 cm (c) 36 cm (d)

## 72 cm

A. 6 cm
B. 12 cm
C. 36 cm
D. 72 cm

Answer: D
( Watch Video Solution
17. In a triangular field having sides $30 \mathrm{~m}, 72 \mathrm{~m}$ and 78 m , the length of the altitude to the side measuring 72 m is
A. 25 m
B. 28 m
C. 30 m
D. 35 m

Answer: C

- Watch Video Solution

18. If every side of an equilateral triangle is
doubled, the area of the new triangle is $K$
times the area of the old one. K is equal to
A. $\sqrt{2}$
B. 2
C. 3
D. 4

Answer: D

D Watch Video Solution
19. If the perimeter of a right angled isosceles
triangle is $(6+3 \sqrt{2}) \mathrm{m}$, then the area of the
triangle will be
A. $4.5 m^{2}$
B. $5.4 m^{2}$
C. $9 m^{2}$
D. $81 m^{2}$

Answer: A

D Watch Video Solution
20. If $A$ be the area of a right triangle and $b$ one of the sides containing the right angle, prove that the length of the altitude on the hypotenuse is

$$
2 A B
$$

$$
\begin{aligned}
& \text { A. } \frac{2 A b}{\sqrt{b^{2}+4 A^{2}}} \\
& \text { B. } \frac{2 A b}{b^{2}+4 A^{2}} \\
& \text { C. } \frac{2 A b}{\sqrt{b^{4}+4 A^{4}}} \\
& \text { D. } \frac{2 A b}{\sqrt{b^{4}+4 A^{2}}}
\end{aligned}
$$

## Answer: D

21. Inside an equiangular triangular park, there
is a flower bed forming a similar triangle.

Around the flower bed runs a uniform path of such a width that the sides of the park are exactly double the corresponding sides of the
flower bed. The ratio of the areas of the path to the flower bed is
A. $1: 1$
B. 1:2
C. 1:3
D. 3:1

## Answer: D

## - Watch Video Solution

## Question Bank 21 C

1. A rectangle and a parallelogram have equal areas. If the sides of a rectangle are 10 m and

12 m and the base of the parallelogram is 20 $m$, then the altitude of the parallelogram is
A. 7 m
B. 6 m
C. 5 m
D. 3 m

Answer: B
( Watch Video Solution
2. If a parallelogram with area $P$, a rectangle with area $R$ and a triangle with area $T$ are all constructed on the same base and all have the same altitude, then which of the following statements is false? $P=R$ (b) $P+T=2 R$
(c) $P=2 T$ (d) $T=\frac{1}{2} R$
A. $P=2 T$
B. $T=\frac{1}{2} R$
C. $P=R$
D. $P+T=2 R$

## Answer: D

## D Watch Video Solution

3. The base of a parallelogram is three times
its height. If the area of the parallelogram is

75 sq cm , then its height is
A. 5 cm
B. $5 \sqrt{2} \mathrm{~cm}$
C. $3 \sqrt{2} \mathrm{~cm}$
D. 15 cm

## Answer: A

## D Watch Video Solution

4. A triangle and a parallelogram are constructed on the same base such that their areas are equal. If the altitude of the parallelogram is 100 m , then the altitude of the triangle is $10 \sqrt{2} m$ (b) $100 m$ (c) $100 \sqrt{2} m$ (d) $200 m$
B. 200 m
C. $100 \sqrt{2} \mathrm{~m}$
D. $10 \sqrt{2} \mathrm{~m}$

Answer: B

## - Watch Video Solution

5. A rectangle and a parallelogram have equal areas. The base of the parallelogram is 20 cm and the altitude is 6 cm . Which one of the
following cannot be the ratio of dimensions of
the rectangle?
A. $7: 5$
B. $40: 3$
C. 15: 2
D. $30: 1$

Answer: A
( Watch Video Solution
6. A parallelogram has sides $30 \mathrm{~m}, 70 \mathrm{~m}$ and one of its diagonals is 80 m long. Its area will be
A. $600 m^{2}$
B. $1200 \sqrt{3} m^{2}$
C. $1200 m^{2}$
D. $600 \sqrt{3} m^{2}$

Answer: B

D Watch Video Solution

## 7. One diagonal of a parallelogram is 40 cm

 and the perpendicular distance of this diagonal from either of the outlying vertices is 19 cm . The area of the parallelogram (in sq cm ) isA. $700 \mathrm{~cm}^{2}$
B. $380 \mathrm{~cm}^{2}$
C. $760 \mathrm{~cm}^{2}$
D. $1140 \mathrm{~cm}^{2}$

Answer: C
8. The ratio of two adjacent sides of a parallelogram is $3: 4$. Its perimeter is 105 cm .

Find its area if altitude corresponding to the larger side is 15 cm .
A. $900 \mathrm{~cm}^{2}$
B. $600 \mathrm{~cm}^{2}$
C. $300 \mathrm{~cm}^{2}$
D. $450 \mathrm{~cm}^{2}$

## Answer: D

## D View Text Solution

9. The area of a rhombus is $128 \mathrm{~cm}^{2}$ and its perimeter is 32 cm . The altitude of the rhombus is
A. 7 cm
B. 8 cm
C. 16 cm
D. 12 cm

## D View Text Solution

10. $A B C D$ is a parallelogram $P$ and $R$ are two
points on $A B$ such that the area of parallelogram ABCD is 8 times the area of $\Delta$ DPR. If $P R=5 \mathrm{~cm}$, then $C D$ is equal to
A. 10 cm
B. 5 cm
C. 20 cm
D. 12 cm

## Answer: C

## - Watch Video Solution

## Self Assessment Sheet

1. Two sides of a parallelogram are 10 cm and

15 cm . If the altiude corresponding to the side
of length 15 cm is 5 cm , then what is the altitude to the side of length 10 cm ?
A. 5 cm
B. 7.5 cm
C. 10 cm
D. 15 cm

Answer: B

- Watch Video Solution

2. What is the area of a right angled isosceles
triangle whose hypotenuse is $6 \sqrt{2} \mathrm{~cm}$ ?
A. $12 \mathrm{~cm}^{2}$
B. $18 \mathrm{~cm}^{2}$
C. $24 \mathrm{~cm}^{2}$
D. $36 \mathrm{~cm}^{2}$

Answer: B

## D Watch Video Solution

3. If A is the area of a triangle in $\mathrm{cm}^{2}$, whose sides are $9 \mathrm{~cm}, 10 \mathrm{~cm}$ and 11 cm , then which one of the following is correct ?
A. $A<40 \mathrm{~cm}^{2}$
B. $40 \mathrm{~cm}^{2}<A<45 \mathrm{~cm}^{2}$
C. $45 \mathrm{~cm}^{2}<A<50 \mathrm{~cm}^{2}$
D. $A>50 \mathrm{~cm}^{2}$

## Answer: B

## D Watch Video Solution

4. The cost of turfing a triangular field at the rate of Rs. 45 per $100 m^{2}$ is Rs. 900 . If double
the base of the triangle is 5 times the height, then the height is :
A. 50 m
B. 45 m
C. 60 m
D. 40 m

Answer: D
( Watch Video Solution
5. This triangular side walls of a flyover have been used for advertisements. This sides of the walls are $122 \mathrm{~m}, 22 \mathrm{~m}$ and 120 m (see figure). The advertisements yield an earning of Rs. 500 per $m^{2}$ per year. A company hired one of its walls for 3 months. How much rent did it pay?

A. 1750000

## B. 1600000

## C. 1650000

D. None of these

## Answer: C

## D Watch Video Solution

6. Ther perimeter of a square is 48 m . The area of a rectangle is 4 sq m less than the area of
given square. If the length of the rectangle is

14 m , find the breadth.
A. 8 m
B. 9 m
C. 10.5 m
D. 10 m

Answer: D

D View Text Solution
7. A rectangle lawn $80 m \times 60 m$ has two roads
each with 10 m wide running in the middle of it,one parallel to the length and the other parallel to the breadth. The cost of gravelling them at 30 paise sq. m is
A. Rs. 38000
B. Rs. 40000
C. Rs. 39000
D. Rs. 39500

Answer: C
8. The length of one diagonal of a rhombus is $80 \%$ of the other diagonal. The area of the rhombus is how many times the square of the length of the other diagonal? $\frac{4}{5}$ (b) $\frac{2}{5}$ (c) $\frac{3}{4}$ (d) $\frac{1}{4}$
A. $\frac{2}{5}$
B. $\frac{4}{5}$
C. $\frac{3}{4}$

## D. $\frac{1}{4}$

## Answer: A

## - Watch Video Solution

9. The area of a rhombus, one of whose
diagonals measures 8 cm and the side is 5 cm ,
is :
A. $25 \mathrm{~cm}^{2}$
B. $24 \mathrm{~cm}^{2}$
C. $24.5 \mathrm{~cm}^{2}$
D. $26 \mathrm{~cm}^{2}$

Answer: B

## D Watch Video Solution

10. A parallelogram has two sides 60 m and 25
m and a diagonal 65 m long. The area of the parallelogram is :
A. $1000 m^{2}$
B. $1400 \mathrm{~m}^{2}$
C. $1600 m^{2}$
D. $1500 m^{2}$

Answer: D

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