

CLASS 8 · HOTS · OLYMPIAD PREPARATION · DPP SHEET

Chapter 12: HOTS: Area (Class 8)

Daily practice problems: 8 questions with an answer key

Try every question on your own first. The answer key is on the last page.

1. Find the area of a parallelogram with base 12 cm and height 7 cm.
2. Find the area of a trapezium with parallel sides 8 cm and 14 cm and height 6 cm.
3. The area of a triangle is 60 square cm and its base is 15 cm. Find its height.
4. A path 1.5 m wide runs around the inside of a rectangular garden 20 m by 14 m. Find the area of the path.
5. Find the area of a rhombus with diagonals 10 cm and 14 cm.
6. A floor 6 m by 4 m is covered with square tiles of side 50 cm. How many tiles are needed?
7. Find the area, in square metres, of a field of 2.5 hectares.
8. The area of a square is 144 square cm. Find its perimeter.

Answer Key

1. 84 square cm.
2. 66 square cm.
3. 8 cm.
4. 93 square m (the inner rectangle is $17 \times 11 = 187$ and the garden is 280).
5. 70 square cm.
6. 96.
7. 25 000 square m.
8. 48 cm.

MathSetu