

Area of different Shapes

Formulas



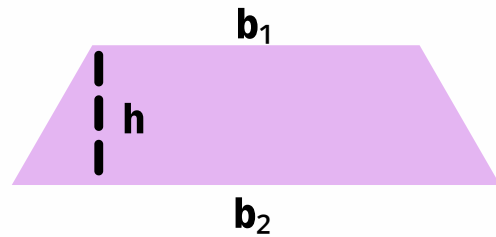
circle

$$A = \pi r^2$$



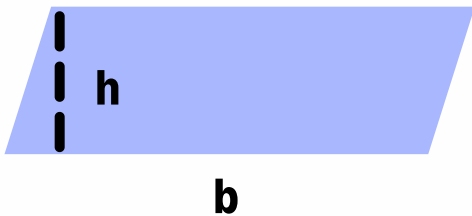
square

$$A = s^2$$



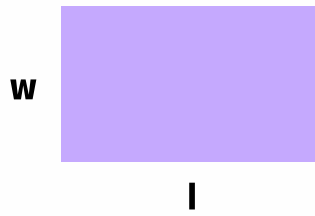
trapezoid

$$A = \frac{1}{2}h(b_1 + b_2)$$



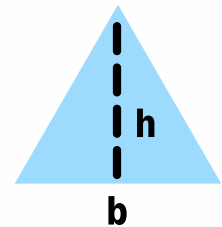
parallelogram

$$A = bh$$



rectangle

$$A = lw$$



triangle

$$A = \frac{1}{2}bh$$

Problems

1. A donut has a radius of 3 inches. What is the circumference of this donut?
2. Find the area of a square of side 27 cm ?
3. Find the area of a trapezium whose parallel sides are 24 cm and 20 cm and the distance between them is 15 cm ?
4. Find the area of a trapezium whose parallel sides are 38.7 cm and 22.3 cm, and the distance between them is 16 cm ?
5. Find the area of a trapezium whose parallel sides are 38.7 cm and 22.3 cm, and the distance between them is 16 cm ?
6. Find the area of a rectangle of length 78 mm and breadth 26 mm ?
7. Find the area of a rectangle of length 43 m and breadth 13 m ?
8. Amy needs to order a shade for a triangular-shaped window that has a base of 6 feet and a height of 4 feet. What is the area of the shade ?