

Lateral Surface Area of a Triangular Pyramid

01. A triangular pyramid has a base with sides measuring 15 cm, 20 cm, and 25 cm. If the slant height is 16 cm, what is its lateral surface area?
02. The lateral surface area of a triangular pyramid is 320 square units. If the base perimeter is 80 units and the slant height is 20 units, what is the height of the pyramid?
03. A triangular pyramid has a base with sides measuring 8 cm, 15 cm, and 17 cm. If the height of the pyramid is 12 cm, what is its lateral surface area?
04. The lateral surface area of a triangular pyramid is 360 square units. If the base perimeter is 60 units and the height of the pyramid is 10 units, what is the slant height?
05. A triangular pyramid has a base with sides measuring 10 cm, 24 cm, and 26 cm. If the slant height is 18 cm, what is its lateral surface area?
06. The lateral surface area of a triangular pyramid is 500 square units. If the base perimeter is 100 units and the slant height is 25 units, what is the height of the pyramid?

07. A triangular pyramid has a base with sides measuring 6 cm, 8 cm, and 10 cm. If the height of the pyramid is 9 cm, what is its lateral surface area?

08. The lateral surface area of a triangular pyramid is 480 square units. If the base perimeter is 120 units and the height of the pyramid is 8 units, what is the slant height?

09. A triangular pyramid has a base with sides measuring 9 cm, 12 cm, and 15 cm. If the slant height is 20 cm, what is its lateral surface area?

10. The lateral surface area of a triangular pyramid is 550 square units. If the base perimeter is 110 units and the slant height is 22 units, what is the height of the pyramid?

11. A triangular pyramid has a base with sides measuring 5 cm, 12 cm, and 13 cm. If the height of the pyramid is 7 cm, what is its lateral surface area?

12. The lateral surface area of a triangular pyramid is 624 square units. If the base perimeter is 156 units and the height of the pyramid is 6 units, what is the slant height?