

Total Surface Area of a Triangular Pyramid

01. A triangular pyramid has a base with sides measuring 6 cm, 8 cm, and 10 cm. If the slant height is 12 cm, what is its total surface area?
02. The total surface area of a triangular pyramid is 96 square units. If the base perimeter is 24 units and the height of the pyramid is 6 units, what is the slant height?
03. A triangular pyramid has a base with sides measuring 12 cm, 16 cm, and 20 cm. If the height of the pyramid is 10 cm, what is its total surface area?
04. The total surface area of a triangular pyramid is 180 square units. If the base perimeter is 36 units and the height of the pyramid is 9 units, what is the slant height?
05. A triangular pyramid has a base with sides measuring 5 cm, 12 cm, and 13 cm. If the slant height is 10 cm, what is its total surface area?
06. The total surface area of a triangular pyramid is 240 square units. If the base perimeter is 60 units and the height of the pyramid is 8 units, what is the slant height?

07. A triangular pyramid has a base with sides measuring 9 cm, 12 cm, and 15 cm. If the height of the pyramid is 8 cm, what is its total surface area?

08. The total surface area of a triangular pyramid is 270 square units. If the base perimeter is 54 units and the height of the pyramid is 9 units, what is the slant height?

09. A triangular pyramid has a base with sides measuring 3 cm, 4 cm, and 5 cm. If the slant height is 6 cm, what is its total surface area?

10. The total surface area of a triangular pyramid is 300 square units. If the base perimeter is 80 units and the height of the pyramid is 12 units, what is the slant height?

11. A triangular pyramid has a base with sides measuring 7 cm, 10 cm, and 12 cm. If the height of the pyramid is 5 cm, what is its total surface area?

12. The total surface area of a triangular pyramid is 336 square units. If the base perimeter is 84 units and the height of the pyramid is 7 units, what is the slant height?