

Area of a trapezoid

Name: _____

Date: _____

Solve the problems.

- 1) If the lengths of the bases are 9.2 inches and 2.7 inches, the perpendicular distance between the bases of a trapezoid is 4.5 inches, what is the area of a trapezoid in square inches?
26.77 square inches
- 2) If the perpendicular distance between the bases is 7.1 feet and the sum of the bases of a trapezoid is 22.2 feet. Determine the area of the trapezoid?

- 3) The sum of the parallel bases and the height of a trapezoid are 20 yards and 4.2 yards respectively. Determine the area of the trapezoid in square yards.

- 4) Find the area of the trapezoid in inches, if the lengths of the parallel bases are 23 inches and 14.8 inches then height of a trapezoid is 2.1 feet.

- 5) If the lengths of the bases are 2 inches and 4.3 inches and the perpendicular distance between the bases of a trapezoid is 1.2 feet, what is the area of a trapezoid in square inches?

- 6) If the lengths of the parallel bases are 11 meters and 0.6 meters then height of a trapezoid is 6.8 meters. Find the area of the trapezoid?

- 7) The sum of the bases and the height of a trapezoid are 12 meter and 8.3 feet respectively. Determine the area of the trapezoid in meters.

- 8) The sum of the parallel bases and the height of a trapezoid are 9.9 yards and 4.3 yards respectively. Determine the area of the trapezoid in square yards.

- 9) The perpendicular distance between the bases of a trapezoid is 32 inches. If the lengths of the bases are 2 feet and 1.6 feet, what is the area of a trapezoid in square inches?

Area of a trapezoid

Name: _____

Date: _____

Solve the problems.

- 1) If the lengths of the bases are 9.2 inches and 2.7 inches, the perpendicular distance between the bases of a trapezoid is 4.5 inches, what is the area of a trapezoid in square inches?
26.77 square inches
- 2) If the perpendicular distance between the bases is 7.1 feet and the sum of the bases of a trapezoid is 22.2 feet. Determine the area of the trapezoid?
78.81 square feet
- 3) The sum of the parallel bases and the height of a trapezoid are 20 yards and 4.2 yards respectively. Determine the area of the trapezoid in square yards.
42 square yards
- 4) Find the area of the trapezoid in inches, if the lengths of the parallel bases are 23 inches and 14.8 inches then height of a trapezoid is 2.1 feet.
476.28 square inches
- 5) If the lengths of the bases are 2 inches and 4.3 inches and the perpendicular distance between the bases of a trapezoid is 1.2 feet, what is the area of a trapezoid in square inches?
45.36 square inches
- 6) If the lengths of the parallel bases are 11 meters and 0.6 meters then height of a trapezoid is 6.8 meters. Find the area of the trapezoid?
39.44 square meters
- 7) The sum of the bases and the height of a trapezoid are 12 meter and 8.3 feet respectively. Determine the area of the trapezoid in meters.
15.17 square meters
- 8) The sum of the parallel bases and the height of a trapezoid are 9.9 yards and 4.3 yards respectively. Determine the area of the trapezoid in square yards.
21.29 square yards
- 9) The perpendicular distance between the bases of a trapezoid is 32 inches. If the lengths of the bases are 2 feet and 1.6 feet, what is the area of a trapezoid in square inches?
691.2 square inches