

Area of a trapezoid

Name: _____

Date: _____

Solve the problems.

- 1) The area of a lawn in a shape of a trapezoid is 32 square meters. Its height is 4.6 meter and the length of its lower base is 9.4 meter. What is the length of its upper base?

- 2) A trapezoid has an area of 72 square yards. If the height of the trapezoid is 12 yards and one of the parallel bases is 9 yards, find the other base.

- 3) The sum of the parallel bases and the height of a trapezoid are 12 yards and 63 inches respectively. Determine the area of the trapezoid in square yards.

- 4) The height of a trapezoid is 42 inches, if the lengths of the parallel bases are 4 yards and 11 yards. Find the area of the trapezoid in yards?

- 5) If the two bases are 9 centimeters and 11.5 centimeters respectively and the height of a trapezoid is 5.7 centimeters then find the area of a trapezoid?

- 6) The perpendicular distance between the bases of a trapezoid is 6.3 feet and one of the bases measures 2.8 feet. If the area of the trapezoid is 44.62 square feet, find the length of the other base?

- 7) The sum of the parallel bases and the height of a trapezoid are 9 yards and 5 feet respectively. Determine the area of the trapezoid in yards.

- 8) The parallel base and the height of a trapezoid are $\frac{7}{4}$ yards and $\frac{12}{5}$ yards respectively and the area of a trapezoid is 3 square yards. Find the other base of a trapezoid?

- 9) If the lengths of the bases are 43 meters and 36 meters, the perpendicular distance between the bases of a trapezoid is 4 feet. What is the area of a trapezoid in square meters?

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- 1) The area of a lawn is in a shape of a trapezoid is 32 square meters. Its height is 4.6 meter and the length of its lower base is 9.4 meter. What is the length of its upper base?
4.51 meters
- 2) A trapezoid has an area of 72 square yards. If the height of the trapezoid is 12 yards and one of the parallel bases is 9 yards, find the other base.
3 yards
- 3) The sum of the parallel bases and the height of a trapezoid are 12 yards and 63 inches respectively. Determine the area of the trapezoid in square yards.
10.5 square yards
- 4) The height of a trapezoid is 42 inches, if the lengths of the parallel bases are 4 yards and 11 yards. Find the area of the trapezoid in yards?
8.75 square yards
- 5) If the two bases are 9 centimeters and 11.5 centimeters respectively and the height of a trapezoid is 5.7 centimeters then find the area of a trapezoid?
58.43 square centimeters
- 6) The perpendicular distance between the bases of a trapezoid is 6.3 feet and one of the bases measures 2.8 feet. If the area of the trapezoid is 44.62 square feet, find the length of the other base?
11.37 \approx 11 feet
- 7) The sum of the parallel bases and the height of a trapezoid are 9 yards and 5 feet respectively. Determine the area of the trapezoid in yards.
7.5 square feet
- 8) The parallel base and the height of a trapezoid are $\frac{7}{4}$ yards and $\frac{12}{5}$ yards respectively and the area of a trapezoid is 3 square yards. Find the other base of a trapezoid?
 $\frac{3}{4}$ yards
- 9) If the lengths of the bases are 43 meters and 36 meters, the perpendicular distance between the bases of a trapezoid is 4 feet. What is the area of a trapezoid in square meters?
48.16 square meters