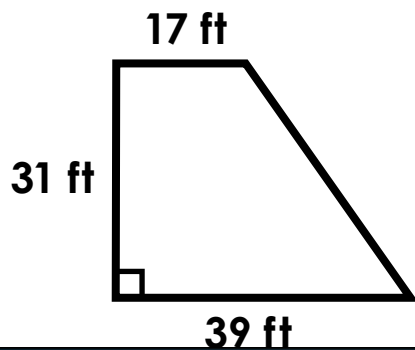


**1.**

## Area of a Trapezoid

Calculate the area of the trapezoid.

**2.**

## Area of a Trapezoid

Find the area of a trapezoid with the dimensions below.

$$\text{base}_1 = 12 \text{ cm}$$

$$\text{base}_2 = 24 \text{ cm}$$

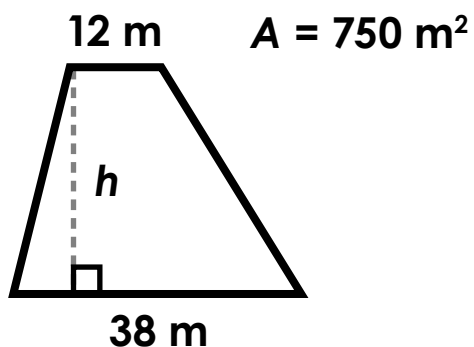
$$\text{height} = 15 \text{ cm}$$



# Preview

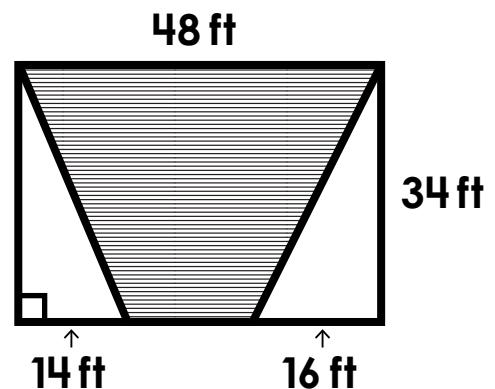
Please log in to download the printable version of this worksheet.

Calculate the height of the trapezoid.



$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

Calculate the area of the shaded trapezoid.

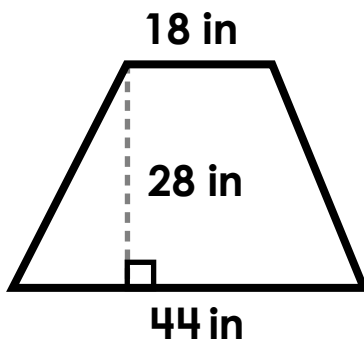


$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

5.

## Area of a Trapezoid

Calculate the area of the trapezoid.



6.

## Area of a Trapezoid

Find the height of a trapezoid with the dimensions below.

$$\text{base}_1 = 28 \text{ mm}$$

$$\text{base}_2 = 20 \text{ mm}$$

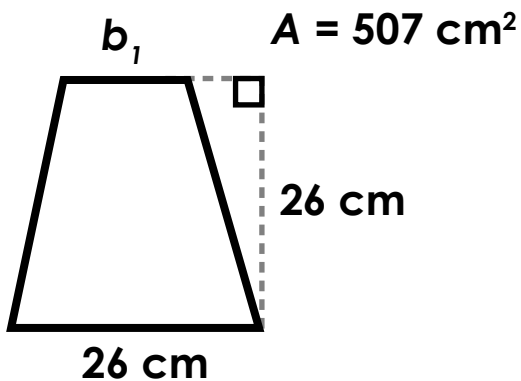
$$\text{area} = 432 \text{ mm}^2$$



# Preview

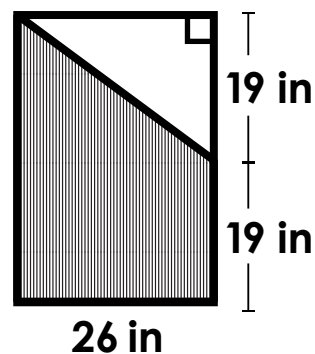
Please log in to download the printable version of this worksheet.

Calculate base<sub>1</sub> of the trapezoid.



$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

Calculate the area of the shaded trapezoid.

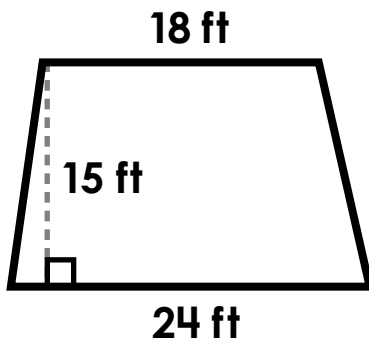


$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

9.

## Area of a Trapezoid

Calculate the area of the trapezoid.



10.

## Area of a Trapezoid

Find  $base_2$  of a trapezoid with the dimensions below.

$$base_1 = 44 \text{ cm}$$

$$height = 31 \text{ cm}$$

$$area = 1,488 \text{ cm}^2$$

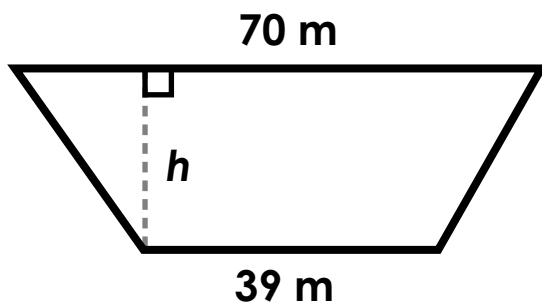


# Preview

Please log in to download the printable version of this worksheet.

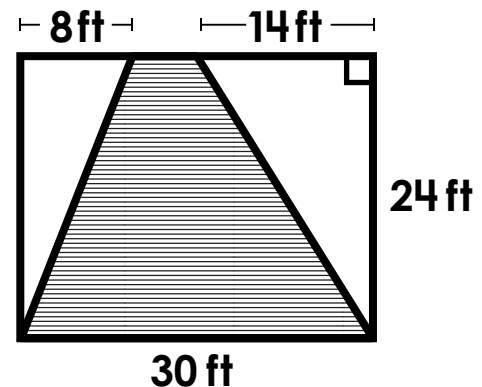
Calculate the height of the trapezoid.

$$A = 1,308 \text{ m}^2$$



$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

Calculate the area of the unshaded area.

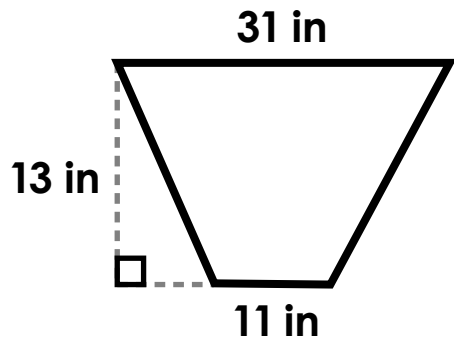


$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

13.

## Area of a Trapezoid

Calculate the area of the trapezoid.



14.

## Area of a Trapezoid

Find the area of a trapezoid with the dimensions below.

$$\text{base}_1 = 15 \text{ m}$$

$$\text{base}_2 = 25 \text{ m}$$

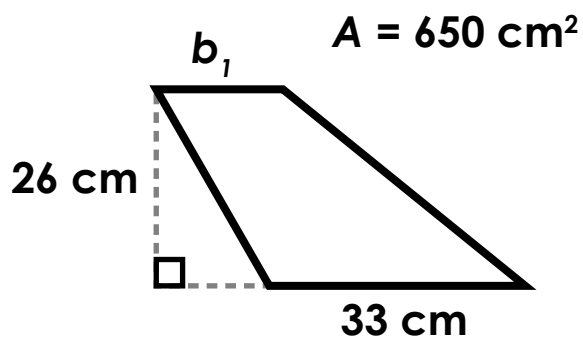
$$\text{height} = 20 \text{ m}$$



# Preview

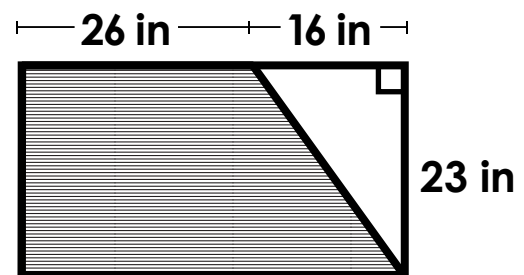
Please log in to download the printable version of this worksheet.

Calculate base<sub>1</sub> of the trapezoid.



$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

Calculate the area of the shaded trapezoid.

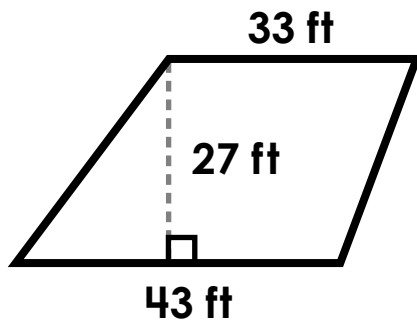


$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

17.

## Area of a Trapezoid

Calculate the area of the trapezoid.



18.

## Area of a Trapezoid

Find the height of a trapezoid with the dimensions below.

$$\text{base}_1 = 23 \text{ cm}$$

$$\text{base}_2 = 33 \text{ cm}$$

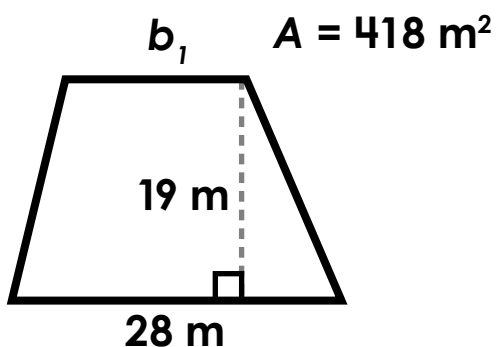
$$\text{area} = 532 \text{ cm}^2$$



# Preview

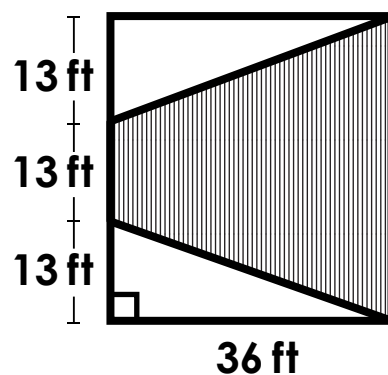
Please log in to download the printable version of this worksheet.

Calculate base<sub>1</sub> of the trapezoid.



$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

Calculate the area of the shaded trapezoid.

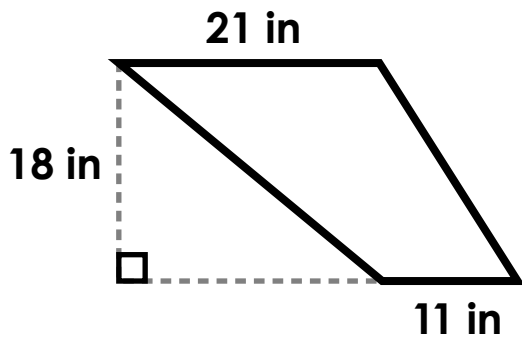


$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

**21.**

## Area of a Trapezoid

Calculate the area of the trapezoid.

**22.**

## Area of a Trapezoid

Find  $base_2$  of a trapezoid with the dimensions below.

$$base_1 = 27 \text{ m}$$

$$height = 18 \text{ m}$$

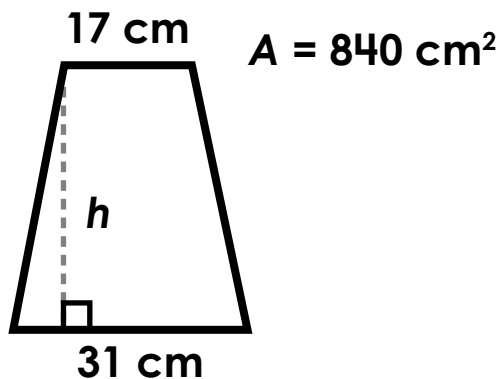
$$area = 432 \text{ m}^2$$



# Preview

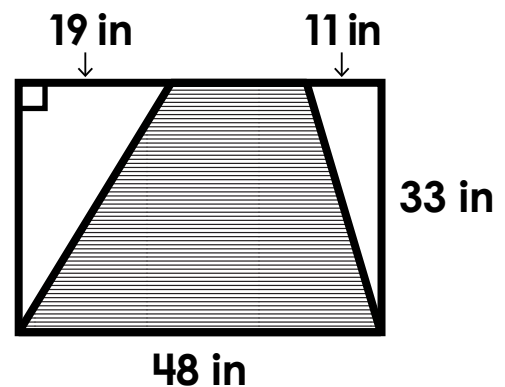
Please log in to download the printable version of this worksheet.

Calculate the height of the trapezoid.



$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

Calculate the area of the unshaded area.

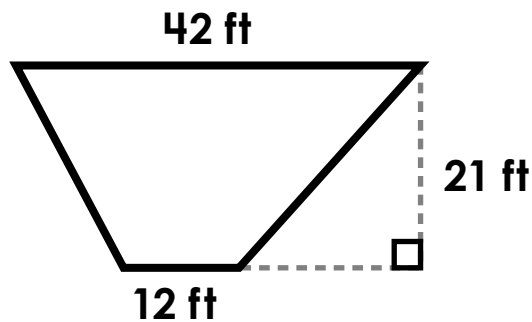


$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

**25.**

## Area of a Trapezoid

Calculate the area of the trapezoid.

**26.**

## Area of a Trapezoid

Find the area of a trapezoid with the dimensions below.

$$\text{base}_1 = 29 \text{ cm}$$

$$\text{base}_2 = 39 \text{ cm}$$

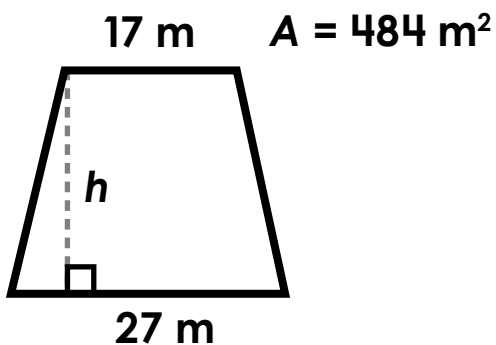
$$\text{height} = 24 \text{ cm}$$



# Preview

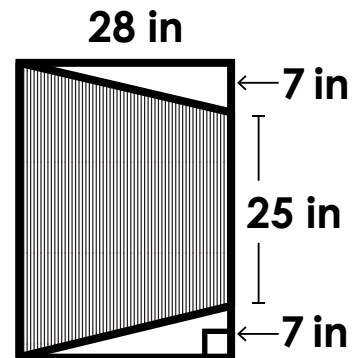
Please log in to download the printable version of this worksheet.

Calculate the height of the trapezoid.



$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

Calculate the area of the shaded trapezoid.



$$\text{Formula: } A = \frac{1}{2} \times (b_1 + b_2) \times h$$

29.

## Area of a Trapezoid

Calculate the area of the trapezoid.

30.

## Area of a Trapezoid

Find the height of a trapezoid with



# Preview

Please log in to download the printable version of this worksheet.

**Formula:**  $A = \frac{1}{2} \times (b_1 + b_2) \times h$

**Formula:**  $A = \frac{1}{2} \times (b_1 + b_2) \times h$



Name: \_\_\_\_\_

## Task Cards: Area of a Trapezoid

1. area = \_\_\_\_\_

16. area = \_\_\_\_\_

2. area = \_\_\_\_\_

17. area = \_\_\_\_\_



13. area = \_\_\_\_\_

28. area = \_\_\_\_\_

14. area = \_\_\_\_\_

29. area = \_\_\_\_\_

15. height = \_\_\_\_\_

30. base = \_\_\_\_\_

# ANSWER KEY

## Task Cards: Area of a Trapezoid

1. area = 868 ft<sup>2</sup>

16. area = 782 in<sup>2</sup>

2. area = 270 cm<sup>2</sup>

17. area = 1,026 ft<sup>2</sup>



13. area = 273 in<sup>2</sup>

28. area = 896 in<sup>2</sup>

14. area = 400 m<sup>2</sup>

29. area = 396 ft<sup>2</sup>

15. base<sub>1</sub> = 17 cm

30. height = 15 cm