

Area of Triangles & Quadrilaterals

6.G.A.1

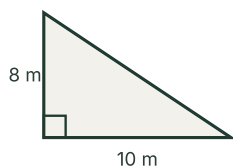
Name _____ Date _____

Find each area. Use the right formula, show your work, and include square units in every answer.

1. Find the area of the rectangle.



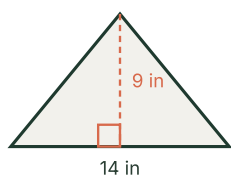
2. Find the area of the right triangle.



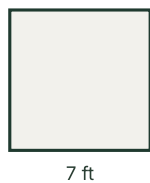
3. Find the area of the parallelogram.



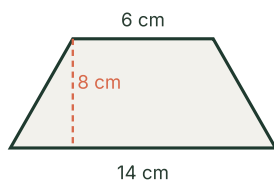
4. Find the area of the triangle.



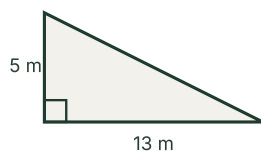
5. Find the area of the square.



6. Find the area of the trapezoid using $A = \frac{1}{2}(b_1 + b_2)h$.

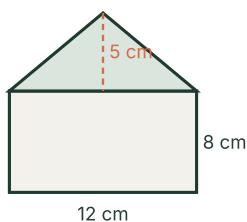


7. Find the area of the triangle.



8. A triangle has an area of 48 square cm and a base of 12 cm. What is its height?

9. Find the total area of the composite figure (a rectangle with a triangle on top).



10. A rectangular garden measures 9 m by 6 m. A bag of grass seed covers 5 square m. How many full bags are needed to cover the whole garden?

11. Which expression gives the area of a triangle with base b and height h ?

A) bh

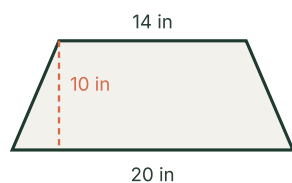
B) $\frac{1}{2}bh$

C) $2bh$

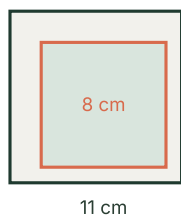
D) $b + h$

12. A parallelogram has an area of 72 square in and a height of 6 in. What is the length of its base?

13. A trapezoidal tabletop has parallel sides of 20 in and 14 in and a height of 10 in. Find its area.



14. A square photo with side length 8 cm is glued onto a square piece of cardboard with side length 11 cm. How much cardboard is left uncovered?



15. A triangular sail has a base of 5 ft and a height of 9 ft. Sailcloth costs \$8 per square foot. What is the total cost of the cloth for the sail?

