

4

Area of Triangles



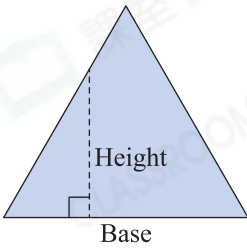
Date: _____

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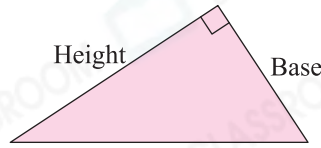


Consider the following bases and corresponding heights marked of the triangles. Put a '✓' in the box if it is correct. Put a '✗' if it is wrong.

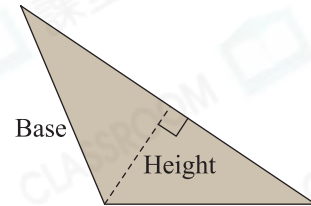
1.



2.

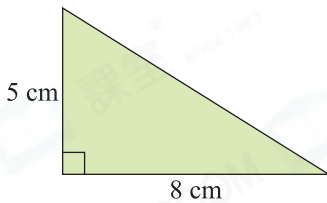


3.

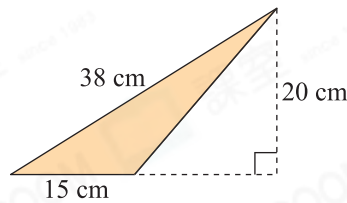


Find the area of the following triangles.

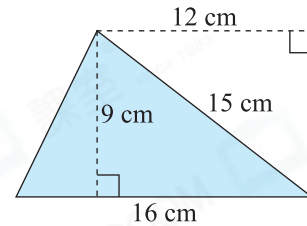
4.



5.



6.

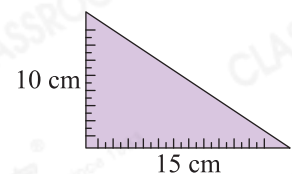


Write expressions to solve the following problems.

7. What is the area of the triangular ruler on the right?



The area of the triangular ruler on the right is:



8. The base of a triangular banner is 30 cm. Its height is 9 cm longer than the base. What is its area?



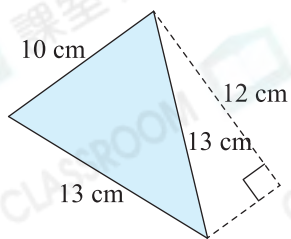
Its area is: _____

9. The area of a triangle is 24 m². What is its height if the base is 8 m?



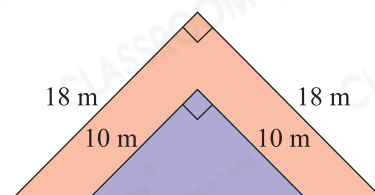
Its height is: _____

10.



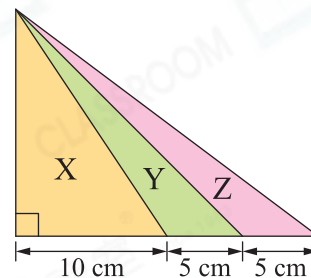
- (a) The coloured part of the figure on the left is a/an
 ☆ right-angled / isosceles / equilateral triangle.
 (☆ Circle the answer)
- (b) The area of the coloured part is _____ cm^2 .

11. The figure on the right is composed of two overlapping isosceles right-angled triangles. What is the area of the non-overlapping part? (Show your working)

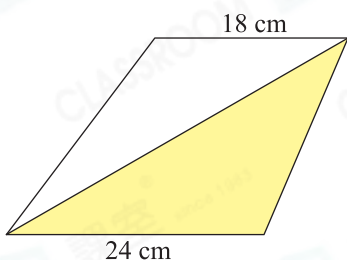


12. Which of the following statements for the figure on the right is correct?

- A. Area of X is 5 times that of Z.
- B. Area of Y is larger than that of Z.
- C. Area of Z is larger than that of Y.
- D. Area of X is equal to total area of Y and Z.



13. **Advanced**



The figure on the left is a trapezium. If the area of the coloured part is 144 cm^2 , what is the area of the white part?

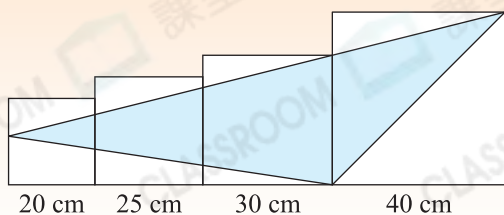
Answer: _____ cm^2

Brain Quest



Detailed tips

The figure below is composed of 4 squares. What is the area of the whole coloured triangle?



Answer: _____ cm^2