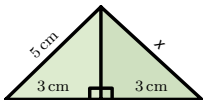


Start Tasks

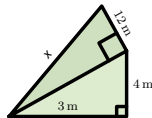


Find x . Find the hidden dimension first.

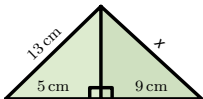
1.



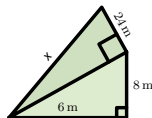
2.



3.



4.

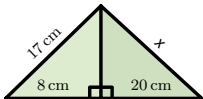


Start Tasks

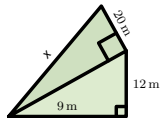


Find x . Show the two Pythagoras steps.

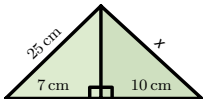
5.



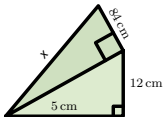
6.



7.



8.

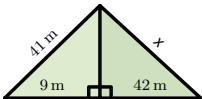


Start Tasks



Find x . Show both equations or steps.

9.



10. A rectangle is 9 cm by 12 cm. Find the diagonal, then the perimeter.

11. A square has area 64 m^2 . Find the side, then the diagonal.

12. An isosceles triangle has equal sides 17 cm and base 16 cm. Find the height, then the area.

Start Tasks



Find the hidden length first, then complete the second step.

13. A rectangle has diagonal 13 cm and width 5 cm. Find the length, then the perimeter.

14. A ladder reaches 8 m up a wall and the base is 6 m away. Find the ladder length, then round to 1 decimal place.

15. A square has side 7 m. Find the diagonal, then explain if a 10 m path is long enough.

16. An isosceles triangle has equal sides 13 cm and base 24 cm. Find the height, then the area.

Start Tasks



Two-step problems: find a hidden length first.

17. A rectangle is 3 m by 4 m. Find the diagonal, then the area.

18. A right triangle has hypotenuse 15 cm and one short side 9 cm. Find the other short side, then the area.

19. A square has diagonal 14 cm. Find the side, then the area.

20. A rectangle is 8 m by 15 m. Find the diagonal, then compare it with 23 m.

Start Tasks



Find the missing dimension, then use it in your calculation.

21. An isosceles triangle has equal sides 25 cm and base 14 cm. Find the height, then the area.

22. A rectangle has diagonal 17 cm and width 8 cm. Find the length, then the perimeter.

23. A ladder is 25 m long and reaches 24 m high. Find the base distance, then the triangle area.

24. A square has side 9 cm. Find the diagonal exactly, then to 1 decimal place.

Start Tasks



Complete both steps: the hidden length, then the final target.

25. A triangle has area 24 cm^2 and base 8 cm . Find the height, then say if equal sides of 5 cm would fit an isosceles triangle.

26. A rectangle is 4 cm by 5 cm . Find the diagonal, then the perimeter.

27. A right triangle has hypotenuse 13 cm and one short side 12 cm . Find the other short side, then the area.