

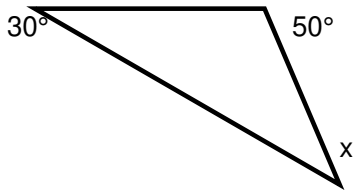
ANGLES IN TRIANGLES

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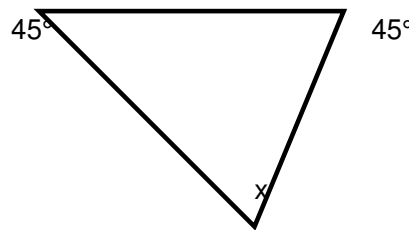
MAIN QUESTIONS



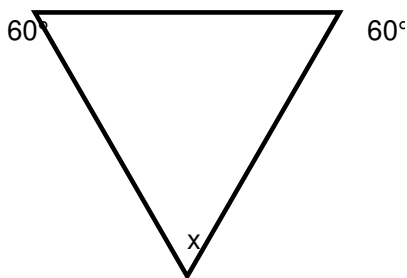
1. In a triangle, two angles are 30° and 50° . Find the missing angle.



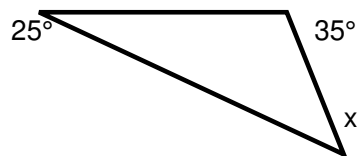
2. In a triangle, two angles are 45° and 45° . Find the missing angle.



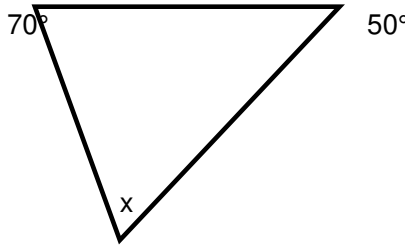
3. In a triangle, two angles are 60° and 60° . Find the missing angle.



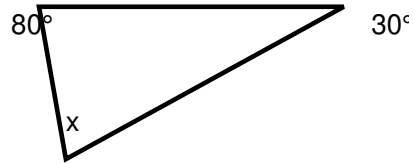
4. In a triangle, two angles are 25° and 35° . Find the missing angle.



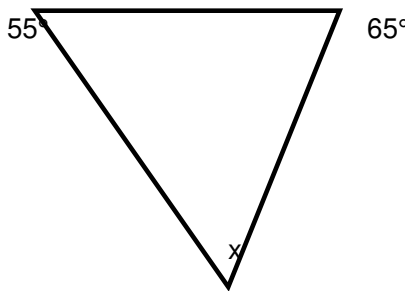
5. In a triangle, two angles are 70° and 50° . Find the missing angle.



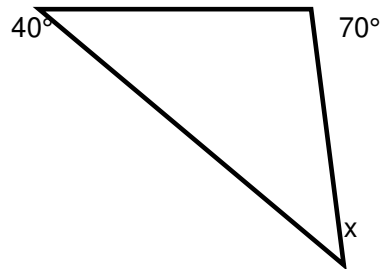
6. In a triangle, two angles are 80° and 30° . Find the missing angle.



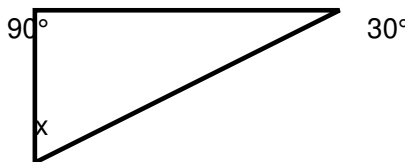
7. In a triangle, two angles are 55° and 65° . Find the missing angle.



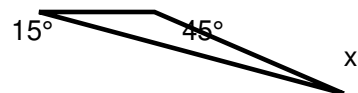
8. In a triangle, two angles are 40° and 70° . Find the missing angle.



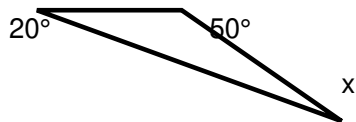
9. In a triangle, two angles are 90° and 30° . Find the missing angle.



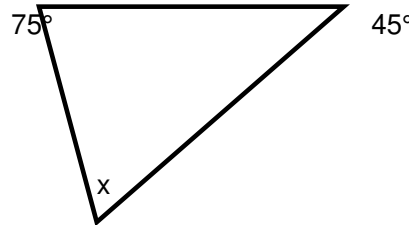
10. In a triangle, two angles are 15° and 45° . Find the missing angle.



11. In a triangle, two angles are 20° and 50° . Find the missing angle.



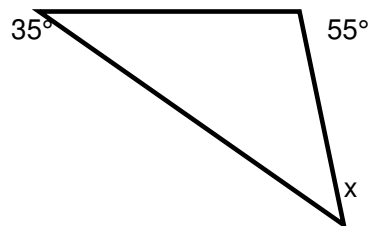
12. In a triangle, two angles are 75° and 45° . Find the missing angle.



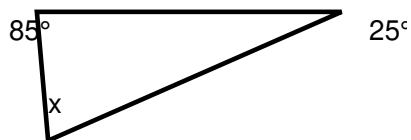
13. In a triangle, two angles are 10° and 20° . Find the missing angle.



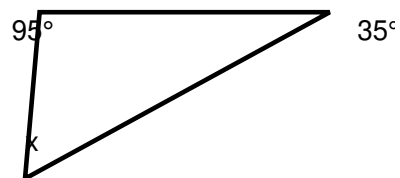
14. In a triangle, two angles are 35° and 55° . Find the missing angle.



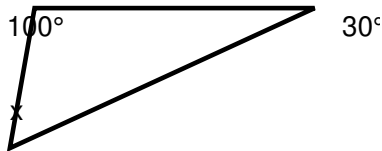
15. In a triangle, two angles are 85° and 25° . Find the missing angle.



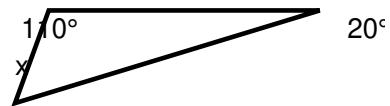
16. In a triangle, two angles are 95° and 35° . Find the missing angle.



17. In a triangle, two angles are 100° and 30° . Find the missing angle.



18. In a triangle, two angles are 110° and 20° . Find the missing angle.



19. In a triangle, two angles are 120° and 10° . Find the missing angle.



20. In a triangle, two angles are 130° and 20° . Find the missing angle.



21. In a triangle, two angles are 140° and 10° . Find the missing angle.



22. In a triangle, two angles are 150° and 10° . Find the missing angle.



23. In a triangle, two angles are 160° and 10° . Find the missing angle.



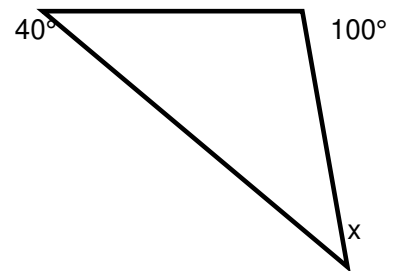
24. In a triangle, two angles are 170° and 5° . Find the missing angle.



25. In a triangle, two angles are 175° and 2° . Find the missing angle.

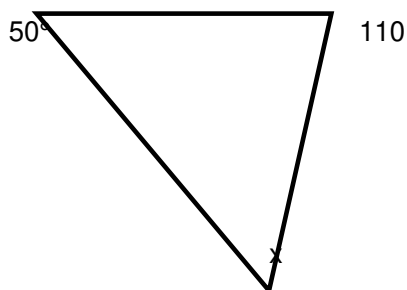


26. In a triangle, two angles are 40° and 100° . Find the missing



angle.

27. In a triangle, two angles are 50° and 110° . Find the missing



angle.

28. In a triangle, two angles are 60° and 120° . Find the missing angle.

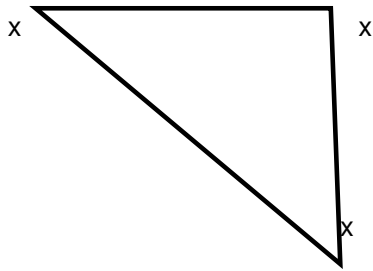
29.

30.

MASTER QUESTIONS

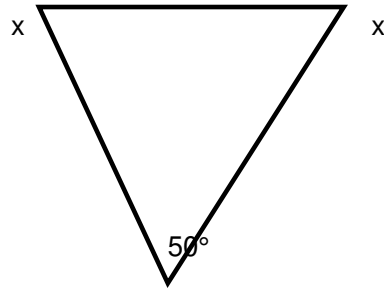


M1. A triangle has angles in the ratio 2:3:4. Find the measure of each

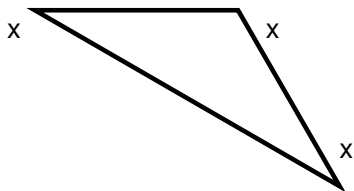


angle.

M2. In an isosceles triangle, the vertex angle is 50° . Find the base angles.

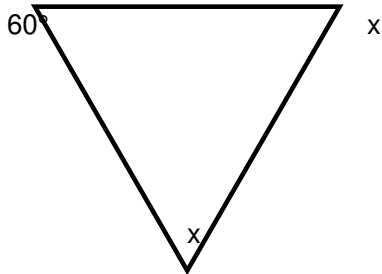


M3. In a right-angled triangle, one acute angle is twice the other. Find the angles.

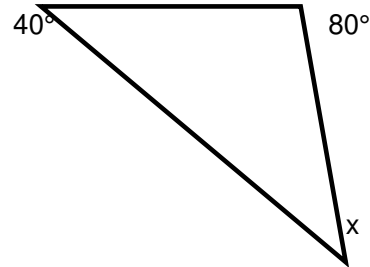


M4. A triangle has angles of x , $2x$, and $3x$. Find the value of x .

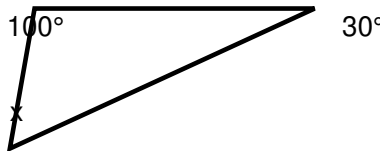
- M5. In a triangle, one angle is 60° and the other two angles are equal. Find the measure of the equal angles.



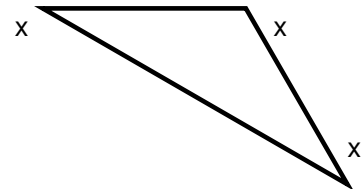
- M6. A triangle has angles of 40° and 80° . Find the third angle.



- M7. In a triangle, the largest angle is 100° and the smallest angle is 30° . Find the third angle.



- M8. A triangle has angles in the ratio 1:2:3. Find the measure of each



angle.

- M9. In a triangle, one angle is 70° and the other two angles differ

- M10. A triangle has angles of 50° , 60° , and 70° . Verify if it is a valid triangle.