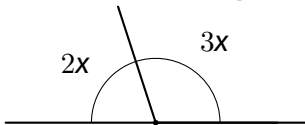


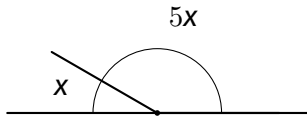
Angles on a Straight Line



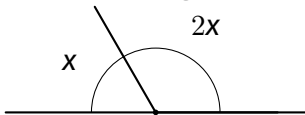
- 1.** Two angles on a line are in the ratio $2 : 3$. Find both angles.



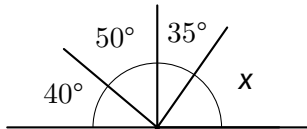
- 2.** Two angles on a line are in the ratio $1 : 5$. Find both angles.



- 3.** One angle on a line is twice the other. Find both angles.



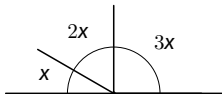
- 4.** Four angles on a line are 40° , 50° , 35° , and x . Find x .



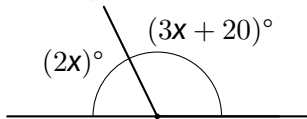
Angles on a Straight Line



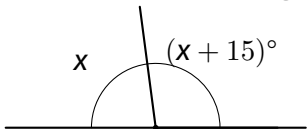
- 5.** Three angles on a line are in the ratio $1 : 2 : 3$. Find the largest angle.



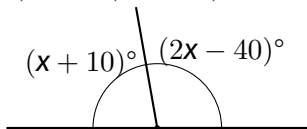
- 6.** Two angles on a line are $(2x)^\circ$ and $(3x + 20)^\circ$. Find x .



- 7.** An angle on a line is 15° more than another. Find both angles.



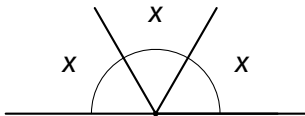
- 8.** Two angles on a line are $(x + 10)^\circ$ and $(2x - 40)^\circ$. Find x .



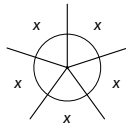
Straight Line & Around a Point



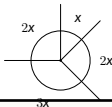
- 9.** Three angles on a line are equal. Find each angle.



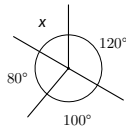
- 10.** Five angles around a point are all equal. Find each angle.



- 11.** Angles around a point are in the ratio $1 : 2 : 3 : 2$. Find the largest angle.



- 12.** Angles around a point are 120° , 100° , 80° , and x . Find x .

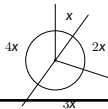


Angles Around a Point

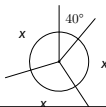


13. Two angles around a point are $(x + 20)^\circ$ and $(2x + 10)^\circ$. The other two are equal. Find all angles.

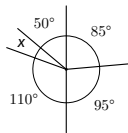
14. Four angles around a point are in the ratio $1 : 2 : 3 : 4$. Find each angle.



15. An angle around a point is 40° . The remaining three are equal. Find each of the three.



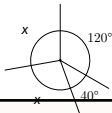
16. Angles around a point are 85° , 95° , 110° , x , and 50° . Find x .



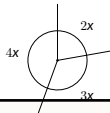
Around a Point & Triangles



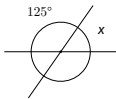
17. One angle around a point is 120° . Another is 40° . The remaining two are equal. Find each.



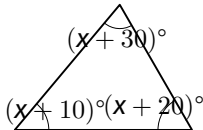
18. Three angles around a point are in the ratio $2 : 3 : 4$. Find each angle.



19. Two straight lines cross forming angle x . An adjacent angle is 125° . Find x .



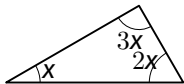
20. A triangle has angles $(x + 10)^\circ$, $(x + 20)^\circ$, and $(x + 30)^\circ$. Find x .



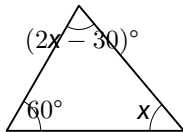
Angles in a Triangle



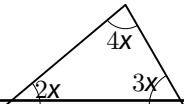
21. A triangle's angles are in the ratio $1 : 2 : 3$. Find the largest angle.



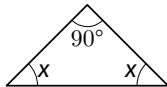
22. A triangle has angles 60° , x , and $(2x - 30)^\circ$. Find x .



23. A triangle's angles are in the ratio $2 : 3 : 4$. Find the smallest angle.



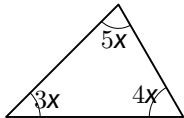
24. One angle in a triangle is 90° . The other two are equal. Find them.



Triangles & Vertically Opposite



25. A triangle has angles in the ratio $3 : 4 : 5$. Find each angle.



26. An exterior angle of a triangle is 140° . One remote interior angle is 55° . Find the other remote interior angle.

27. Two lines cross. The four angles are $(2x)^\circ$, $(3x - 10)^\circ$, $(2x)^\circ$, and $(3x - 10)^\circ$. Find x .

