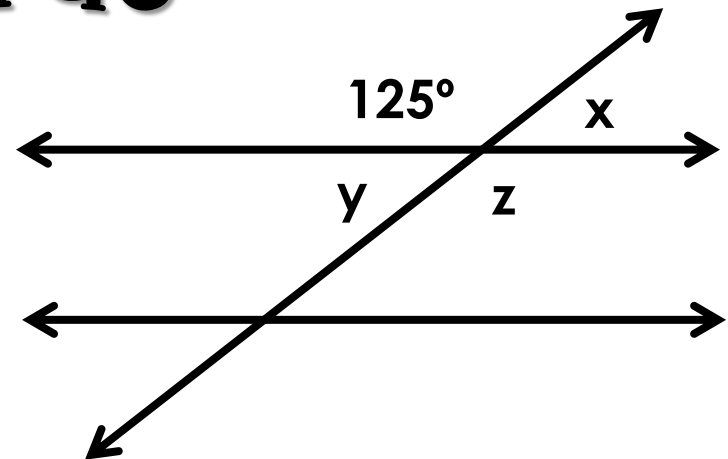
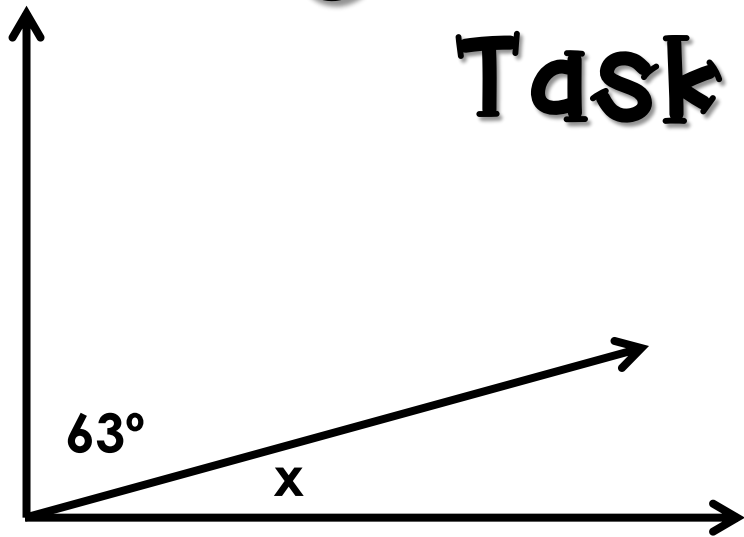
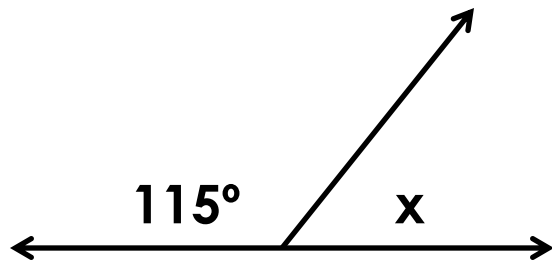


Reasoning with Angle Measures Task Cards

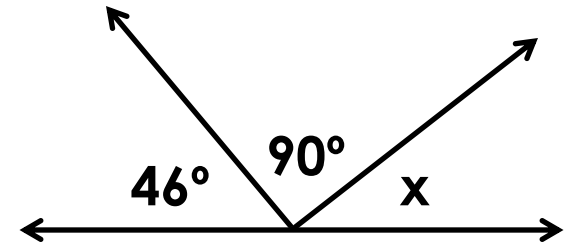


Finding unknown angle measures using
deductive reasoning



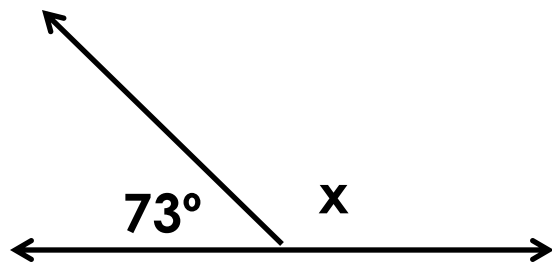
Find the unknown angle measure

1.



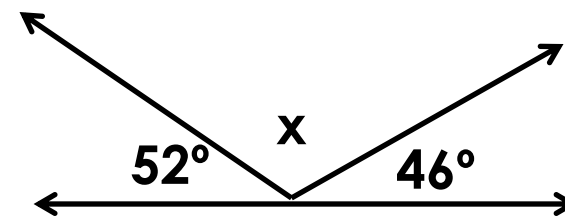
Find the unknown angle measure

2.



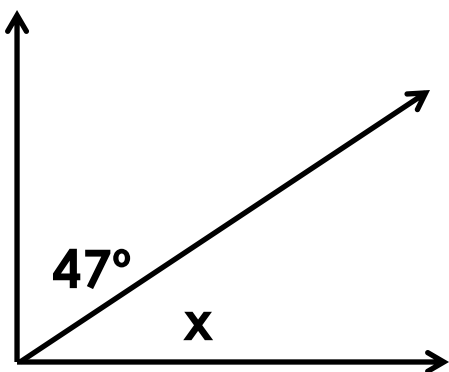
Find the unknown angle measure

3.



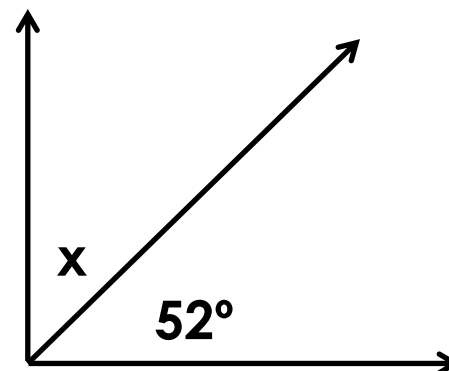
Find the unknown angle measure

4.



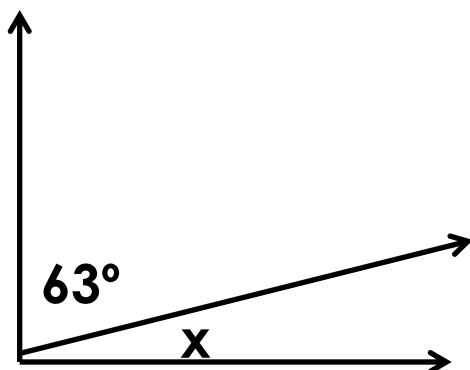
Find the unknown angle measure

5.



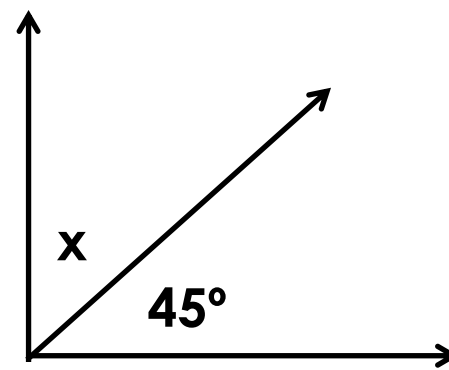
Find the unknown angle measure

6.



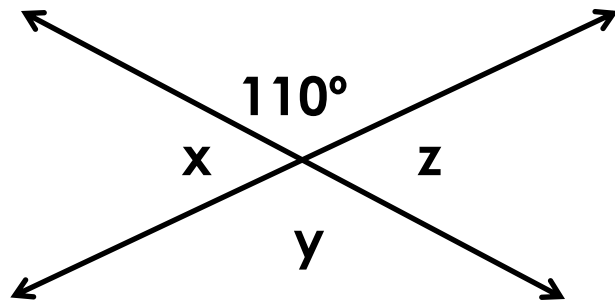
Find the unknown angle measure

7.

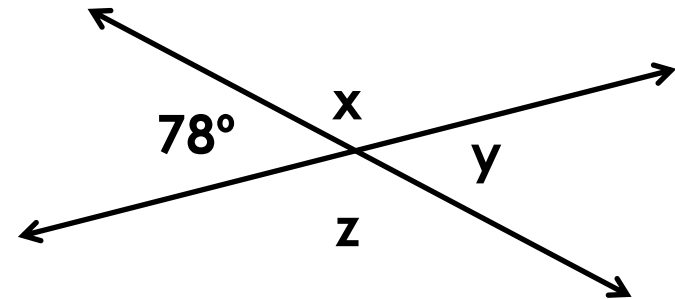


Find the unknown angle measure

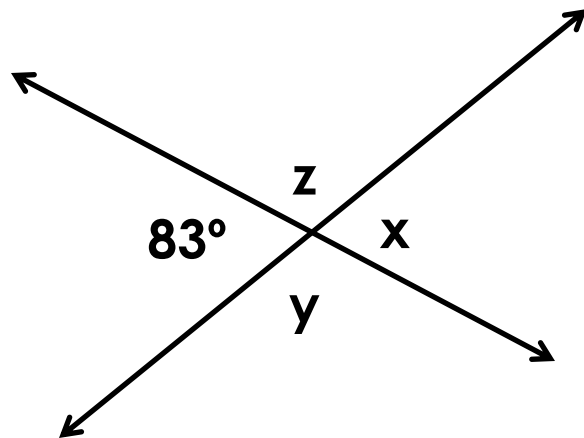
8.



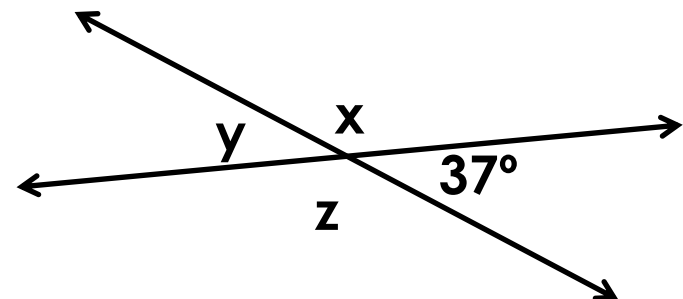
Find the unknown angle measures
9.



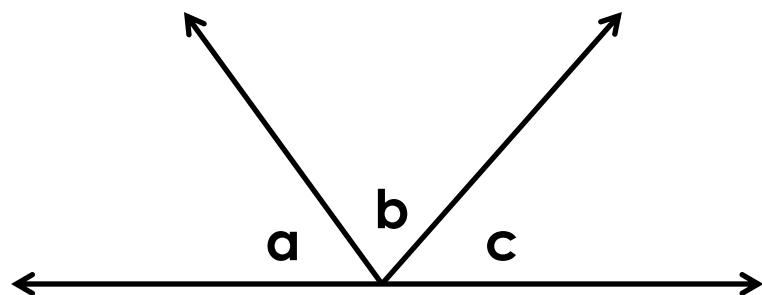
Find the unknown angle measures
10.



Find the unknown angle measures
11.

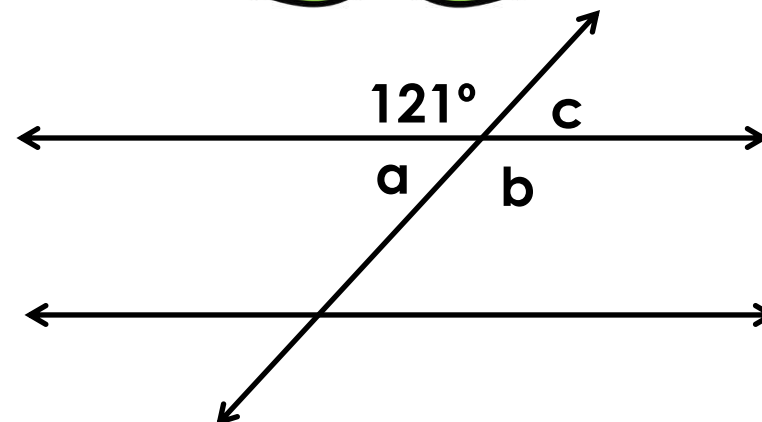


Find the unknown angle measures
12.



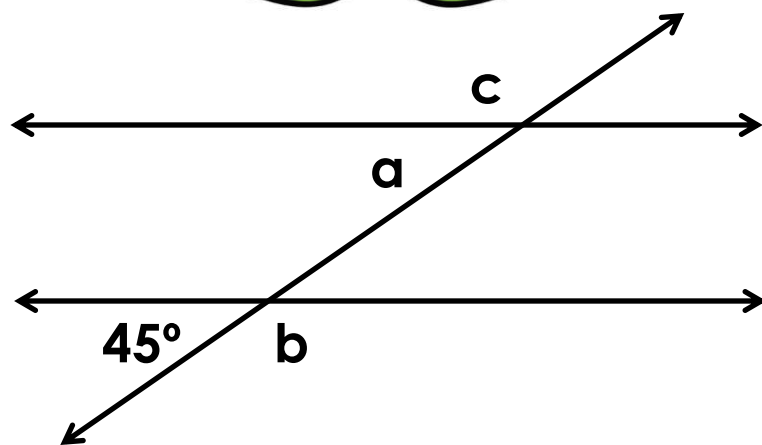
Which of these angles are adjacent angles?

13.



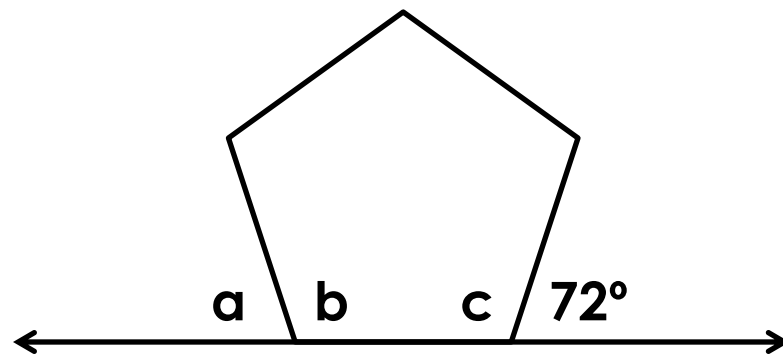
Find the unknown angle measures

14.



Find the unknown angle measures

15.



Find the unknown angle measures

16.

Name: _____

Response Sheet

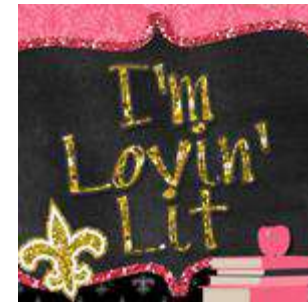
1.	9. x= y= z=
2.	10. x= y= z=
3.	11. x= y= z=
4.	12. x= y= z=
5.	13.
6.	14. a= b= c=
7.	15. a= b= c=
8.	16. a= b= c= d=

Answer Key

1. 65°
2. 44°
3. 107°
4. 82°
5. 43°
6. 38°
7. 27°
8. 45°
9. $X = 70^\circ$ $y = 110^\circ$ $z = 70^\circ$
10. $X = 102^\circ$ $y = 78^\circ$ $z = 102^\circ$
11. $X = 83^\circ$ $y = 97^\circ$ $z = 97^\circ$
12. $X = 143^\circ$ $y = 37^\circ$ $z = 143^\circ$
13. a and b OR b and c
14. $a = 59^\circ$ $b = 121^\circ$ $c = 59^\circ$
15. $a = 45^\circ$ $b = 135^\circ$ $c = 135^\circ$
16. $a = 72^\circ$ $b = 108^\circ$ $c = 108^\circ$

***Note- the angles on each task card are not drawn to actual measurements/size. The angle measures are meant to be determined using angle relationship rules.

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