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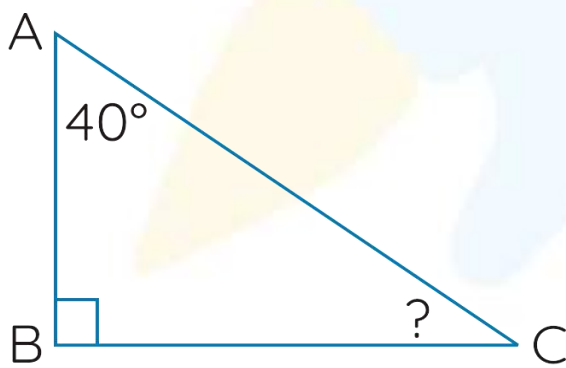
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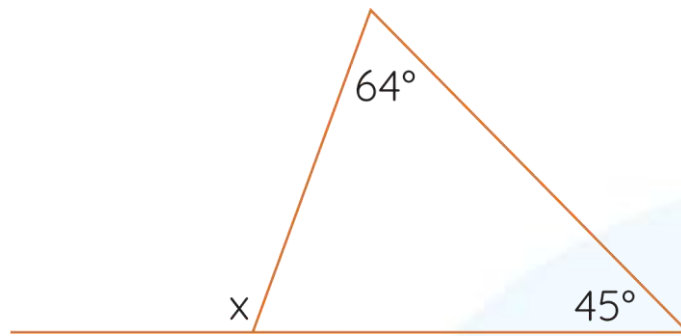
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Lines and Angles Worksheet 1

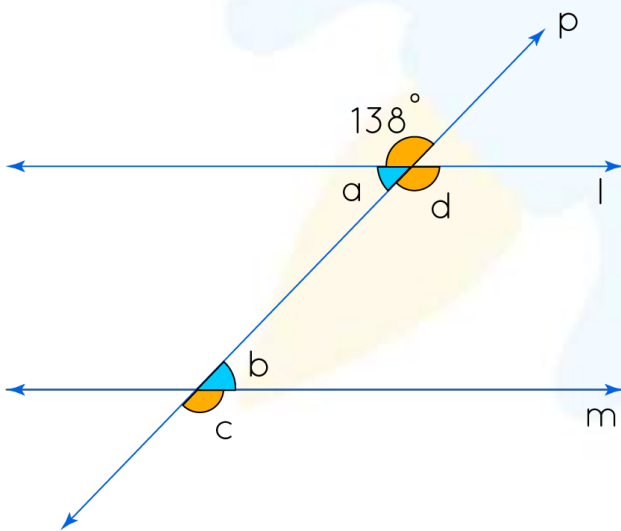
- Write the complements of the following angles.
 - 20°
 - 60°
 - 5°
 - 17°
- Write the supplements of the following angles.
 - 9°
 - 30°
 - 135°
 - 178°
- Write a pair of complementary angles such that one angle is half of the other angle.
- In the figure given below find the value of the missing angle.



5. Work out angle x in the given figure.



Line l is parallel to line m . Line p is the transversal. Find the missing angles.

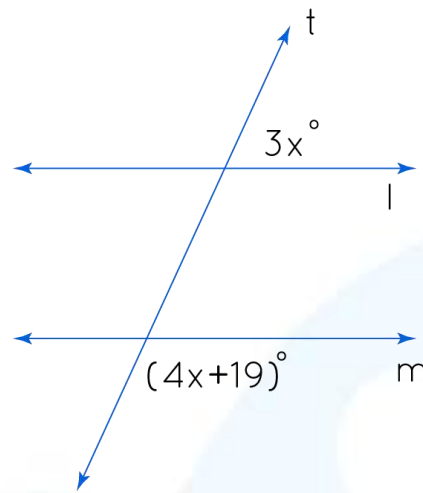


6. $m\angle c - m\angle b =$ _____

7. $m\angle c + m\angle d =$ _____

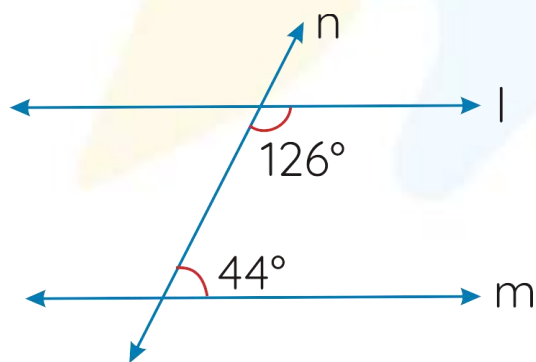
8. $m\angle d =$ _____

Consider the following figure:



9. Find x .

10. Check whether the given lines are parallel or not.



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in an interesting way,
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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

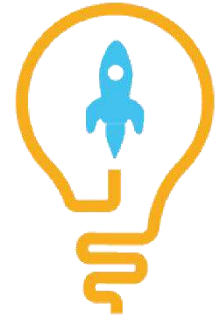
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	i) $20^\circ - 70^\circ$ ii) $60^\circ - 30^\circ$ iii) $5^\circ - 85^\circ$ iv) $17^\circ - 73^\circ$
2)	i) $9^\circ - 171^\circ$ ii) $30^\circ - 160^\circ$ iii) $135^\circ - 45^\circ$ iv) $178^\circ - 2^\circ$
3)	30° and 60°
4)	50°
5)	$x = 105^\circ$
6)	96°
7)	276°
8)	138°
9)	$x = 23^\circ$
10)	The lines l and m are not parallel.

FUN FACT

1. Angle greater than 180° is called a reflex angle.
2. All the interior angles in a regular polygon are equal.
3. Parallel lines cut by a transversal create 8 angles that have relationships. If you know the measurement of 1 of the angles and the relationship between angles, you can find the remaining 7 angles.

